CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, March 30, 1905.

CONTENTS.

CIVIL SERVICE EXAMINATIONS..... 115
CONSTRUCTION NEWS:
Plans and Specifications on File..... 115
List of Contracts Pending..... 115
Railways 116
Street and Electric Railways..... 116
Light, Heat and Power Plants..... 117
Bridges 117
Buildings 118
Water Supply and Irrigation..... 119
Sewerage 119
Garbage Disposal and Street Cleaning..... 120
Streets and Roads 120
Manufacturing Plants 121
Miscellaneous Contracts 121
Contract Prices 122
READERS' WANTS 121
INDUSTRIAL NOTES 122
PROPOSALS 122

CIVIL SERVICE EXAMINATIONS FOR TECHNICAL POSITIONS.

ELECTRICIAN; MECHANICAL ENGINEER.—Municipal Civil Service Commission, Henry Berlinger, Secy., 61 Elm St., New York, will hold an examination April 11 to fill a vacancy in the position of electrician, at $1,050 per year. Applications will be received until 4 p. m., April 4. An examination will be held April 13 for the position of mechanical engineer, at a salary of $1,200 to $1,800 per year. Applications for this examination will be received until 4 p. m., April 6.

GOVERNMENT EMPLOYEES.—U. S. Civil Service Commission has announced the following examinations, to secure eligibles to fill vacancies in various government positions: **April 15**, boilermaker, carpenter and coppersmith, for service on the Isthmus of Panama, at 50 cts. to 60 cts. per hour for foremen, 35 cts. to 45 cts. for first-class workmen, and 25 cts. to 35 cts. for helpers; April 19 and 20, hydrographic aid in Reclamation Service of Geological Survey, at $1,000 to $1,500 per year; April 26, chief of division of chemistry, hygienic laboratory, Public Health and Marine Hospital Service, at $3,200 per year; April 26, bridge carpenter, for service in Isthmus of Panama, at $75 to $83.33 per month; April 26, cable foreman in Signal Service, at $55 to $90 per month; April 26, 27 and 28, mechanical draftsman in Ordnance Department at Large, at $1,000 per year; May 3, mechanical draftsman in Patent Office, at $1,000 per year. Further information concerning the above-mentioned examinations can be obtained from the United States Civil Service Commission, Washington, D. C.

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
Apr.				
1	Electric cranes	Portsm'th, N. H.	S.	3- 9
*1	Water-works	Montrose, Colo.	S.	3-16
*1	Water-works	Montrose, Colo.	S.	3-16
*4	Sidewalks	Greenville, Miss.	S.	3-16
*8	Bridge	Springfield, Mass.	P.	3-23
8	Dredging	Dry Tortugas, Fla.	S.	3-23
*12	Water-works, etc.	Graham, N. C.	P. & S.	3-30
15	Electric crane	Puget S'd, Wash.	S.	3- 9
29	Coal plant	New Orleans, La.	S.	3- 9
22	Plumbing, etc.	Charleston, S. C.	S.	3-30
May				
6	Quay wall	Bremerton, Wash.	S.	3-23
*14	Water-works	Mansfield, La.	S.	2- 2
Sept.				
1	Steel manufacture	New S. Wales.	S.	3-23

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close.	Work.	Place.	See issue.
LIGHT, HEAT AND POWER PLANTS.			
Mar. 31	Care of lights	Detroit, Mich.	Mar. 16
Mar. 31	Electric supplies	Des Moines, Ia.	Mar. 30
Apr. 1	Power plant	Lacrosse, Wis.	Mar. 30
Apr. 1	Gas works	Fairmont, Neb.	Mar. 23
Apr. 3	Steam heating plant	Kirkland, Ind.	Mar. 9
Apr. 3	Electric lighting	Cape Charles, Va.	Feb. 23
Apr. 3	Electric plant	Waverly, Kan.	Mar. 30
Apr. 3	Lighting	Chester, Pa.	Mar. 30
Apr. 8	Street lighting	Washington, D. C.	Mar. 30
Advertised, Eng. News, Mar. 30 and Apr. 6.			
Apr. 6	Electric plant	New Albany, Miss.	Mar. 23
Advertised, Eng. News, Mar. 16 to Apr. 6.			
Apr. 11	City lighting	Shreveport, La.	Feb. 16
Apr. 12	Power house	Lockport, Ill.	Feb. 16
Advertised, Eng. News, Feb. 16.			
Apr. 12	Ten miles gas mains	Bristol, Conn.	Mar. 30
Advertised, Eng. News, Mar. 30.			
Apr. 27	City lighting	Ligonier, Ind.	Mar. 30
May 15	Electric plant	Jewell City, Kan.	Mar. 23
BRIDGES.			
Mar. 30	Bridges	Columbus, O.	Mar. 16
Mar. 30	Drawbridge	Manistee, Mich.	Mar. 2
Advertised, Eng. News, Feb. 23 and Mar. 2.			
Mar. 30	Bridge	Providence, R. I.	Mar. 9
Advertised, Eng. News, Mar. 9 to 30.			
Apr. 1	Bridges	Somerset, Ky.	Mar. 23
Apr. 3	Bridges, steel	Devil's Lake, N. Dak.	Mar. 23
Apr. 3	Bridge	Atlanta, Ga.	Mar. 16
Advertised, Eng. News, Mar. 16 to 30.			
Apr. 3	Bridge repair	Paterson, N. J.	Mar. 30
Apr. 3	Bridges, steel	Sonora, Cal.	Mar. 30
Apr. 3	Bridge, repair	Williamsport, Ind.	Mar. 30
Apr. 4	Bridge	Dayton, O.	Mar. 30
Apr. 4	Bridge, truss	Mitchell, S. Dak.	Mar. 30
Apr. 4	Bridges, iron	Jasper, Ind.	Mar. 30
Apr. 4	Bridge, steel	Spokane, Wash.	Mar. 9
Apr. 4	Bridges, steel	Columbus, Ga.	Mar. 2
Apr. 4	Bridges	Lincoln, Neb.	Feb. 23
Apr. 4	Bridge	Goldendale, Wash.	Feb. 9
Apr. 4	Bridge, steel	New Castle, Ind.	Mar. 23
Apr. 5	Bridge	Goldbeach, Ore.	Mar. 23
Apr. 5	Retaining wall	Indianapolis, Ind.	Mar. 23
Apr. 5	Bridge, steel	Smithland, Ky.	Mar. 23
Apr. 5	Bridge	Dakotah, Ia.	Mar. 23
Apr. 5	Bridge	Langdon, N. Dak.	Mar. 16
Apr. 5	Bridge	Cartersville, Ga.	Mar. 30
Apr. 5	Bridge	Lincoln, Neb.	Mar. 30
Apr. 5	Bridges, steel	Algona, Ia.	Mar. 9
Apr. 5	Bridge, approach	Riverside, Cal.	Mar. 30
Apr. 7	Bridge	Elk River, Minn.	Mar. 30
Advertised, Eng. News, Mar. 30.			
Apr. 6	Bridge	Wabash, Ind.	Mar. 2
Apr. 6	Bridges	Bluffton, Ind.	Mar. 23
Apr. 6	Bridge, steel	Warrenton, Mo.	Mar. 23
Apr. 7	Bridge	Amoka, Minn.	Mar. 23
Apr. 8	Bridge	Springfield, Mass.	Mar. 23
Advertised, Eng. News, Mar. 23 and 30.			
Apr. 10	Bridge	Tillamook, Ore.	Mar. 23
Apr. 10	Bridge, superstructure	Cleveland, O.	Mar. 23
Apr. 10	Bridge	Townsend, Mont.	Mar. 30
Apr. 12	Bridges, steel	Cleveland, O.	Mar. 30
Apr. 13	Bridges, etc.,	Jackson, O.	Mar. 23
Apr. 19	Bridges	Moscow, Idaho	Mar. 9
Apr. 21	Approach	Cincinnati, O.	Mar. 30
May 1	Bridge	Richland Center, Ark.	Mar. 9
BUILDINGS.			
Mar. 30	Hotel	Terre Haute, Ind.	Mar. 23
Mar. 31	Jail	Glasgow, Ky.	Mar. 23
Mar. 30	Heating apparatus	Waterloo, Ia.	Mar. 9
Mar. 31	School	Cleveland Heights, O.	Mar. 16
Mar. 31	Asphalt plant (Mfg. Pl.)	Detroit, Mich.	Mar. 16
Mar. 31	Plans for school	Beverly, Mass.	Mar. 30
Apr. 1	Caisson foundations	Chicago, Ill.	Mar. 23
Apr. 3	City hall	Oskaloosa, Ia.	Mar. 23
Apr. 3	Iron stairways, etc.,	New York, N. Y.	Mar. 23
Apr. 3	Court-house	Kentland, Ind.	Feb. 23
Apr. 3	Post-office	Macon, Ga.	Feb. 23
Advertised, Eng. News, Feb. 23 to Mar. 2.			
Apr. 3	College building	Ithaca, N. Y.	Mar. 2
Advertised, Eng. News, Mar. 2 to Mar. 16.			
Apr. 3	Freight station	Cincinnati, O.	Mar. 9
Advertised, Eng. News, Mar. 9 and 16.			
Apr. 3	Court-house, jail	Tonopah, Nev.	Mar. 30
Apr. 4	Electric fixtures	Indianapolis, Ind.	Mar. 30
Apr. 4	Police station	New Haven, Conn.	Mar. 16
Apr. 5	Public buildings	Portland, Me.	Mar. 16
Apr. 5	Hospital building	Charleston, S. C.	Mar. 23
Apr. 5	Engineering building	Iowa City, Ia.	Mar. 30
Apr. 6	Asylum, Retreat,	Pa.	Mar. 30
Apr. 6	Church, rectory	Clinton, Ia.	Mar. 23
Apr. 6	Post office	Marblehead, Mass.	Mar. 2
Apr. 7	School addition	Freeport, Ill.	Mar. 30
Apr. 8	Building	Reno, Nev.	Mar. 30
Apr. 8	Arch construction, Wash. Barracks, D. C.		Mar. 30
Advertised, Eng. News, Mar. 30.			
Apr. 8	Buildings	Chattanooga, Tenn.	Mar. 30
Advertised, Eng. News, Mar. 30 and Apr. 6.			
Apr. 8	Jail	Monticello, Miss.	Mar. 23
Apr. 10	Court-house	Tillamook, Ore.	Mar. 30
Apr. 10	School work	New York, N. Y.	Mar. 30
Apr. 11	White bricks, Washington, D. C.		Mar. 23
Advertised, Eng. News, Mar. 23 and 30.			
Apr. 12	Jail, etc.,	Oakland, Md.	Mar. 16
Apr. 12	Court house	Marion, Va.	Mar. 16
Apr. 12	Capitol improvements	Columbia, S. C.	Mar. 30
Apr. 15	Shop buildings (Mfg. Pl.)	Jackson, O.	Mar. 16
Apr. 15	Court house, Corsicana,	Tex.	Mar. 16
Apr. 17	High school plans	Richmond, Va.	Mar. 16
Apr. 18	Auditorium,	St. Joseph, Mo.	Mar. 16
Apr. 20	Officers' quarters, West Point, N. Y.		Mar. 23
Advertised, Eng. News, Mar. 23 to Apr. 13.			
Apr. 22	School	Dexter, Ia.	Mar. 30
Apr. 22	Plumbing, fire mains	Charleston, S. C.	Mar. 30
Apr. 24	Steam heating	Charlottesville, Va.	Mar. 30
Apr. 24	Brick buildings	Boston, Mass.	Mar. 30
Apr. 25	Steam heating	Pierre, S. Dak.	Mar. 30
Apr. 29	Heating apparatus, Wash. Barracks, D. C.		Mar. 30
Advertised, Eng. News, Mar. 30 to Apr. 26.			
Apr. 29	Bank building	Washington, D. C.	Mar. 30
May 3	Court-house	Vinton, Ia.	Mar. 30
May 8	Interior finish	New York, N. Y.	Mar. 16
May 9	Mechanical equipment	New York, N. Y.	Mar. 16
May 20	Masonic Temple plans	Brooklyn, N. Y.	Mar. 30
June 15	Court-house plans	New Orleans, La.	Feb. 23
WATER SUPPLY AND IRRIGATION.			
Mar. 31	Water pipe	Chicago, Ill.	Mar. 23
Apr. 1	Reservoir repair,	Shippensburg, Pa.	Mar. 23
Advertised, Eng. News, Mar. 23 and 30.			
Apr. 1	Water-works	Montrose, Colo.	Mar. 16
Advertised, Eng. News, Mar. 16 and 23.			
Apr. 1	Reservoir, etc.,	Bristol, Conn.	Mar. 30
Apr. 3	Water-works	Waverly, Kan.	Mar. 30
Apr. 3	Pumping plant	San Jose, Cal.	Mar. 30
Apr. 3	Irrigation canals	Cody, Wyo.	Mar. 9
Apr. 3	Boilers	Chicago, Ill.	Mar. 23
Apr. 3	Pumping engine	Clarksville, Tenn.	Mar. 23
Apr. 3	Pumping station	Canton, O.	Mar. 23
Apr. 3	Pump, engine, etc.,	Prescott, Ariz.	Mar. 23
Apr. 4	Artesian well	Lumberton, Miss.	Mar. 23
Apr. 4	Water-works	Ellisville, Miss.	Mar. 23
Advertised, Eng. News, Mar. 23.			
Apr. 4	Water line extensions	Geneva, O.	Mar. 30
Apr. 4	Valves, pipe, etc.,	Richmond, Va.	Mar. 30
Apr. 6	Water-works, etc.,	New Albany, Miss.	Mar. 23
Advertised, Eng. News, Mar. 16 to Apr. 6.			
Apr. 6	Pipe line, etc.,	Boston, Mass.	Mar. 9
Advertised, Eng. News, Mar. 9 to Apr. 6.			
Apr. 7	Pipe	Portsmouth, O.	Mar. 30
Apr. 7	Boilers	Chicago, Ill.	Mar. 30
Apr. 10	Pipe laying	Salt Lake City, Utah.	Mar. 30
Apr. 10	Water pipe	Winnipeg, Man.	Feb. 16
Apr. 11	Pumping engine	Elyria, O.	Mar. 30
Apr. 12	Water pipe, etc.,	Portland, Ore.	Mar. 30
Apr. 12	Water-works, etc.,	Humboldt, Kan.	Mar. 30
Apr. 12	Cocks and hydrants	New York, N. Y.	Mar. 30
Apr. 12	Water-works, electric plant	Graham, N. C.	Mar. 30
Advertised, Eng. News, Mar. 30 and Apr. 6.			
Apr. 12	Pump house	Washington, D. C.	Mar. 23
Apr. 12	Water-works extension	St. Johns, N. B.	Mar. 23
Advertised, Eng. News, Mar. 23 to Apr. 13.			
Apr. 12	Water-works, etc.,	Portage la Prairie, Man.	Mar. 9
Advertised, Eng. News, Mar. 9.			
Apr. 15	Water-works	Connelsville, Pa.	Mar. 30
Apr. 15	Artesian well	Fernandina, Fla.	Mar. 30
Apr. 17	Pipe line	Augusta, Me.	Mar. 23
Advertised, Eng. News, Mar. 23 to April 13.			
Apr. 18	Pumping machinery	New Orleans, La.	Feb. 16
Advertised, Eng. News, Feb. 16 to April 20.			
Apr. 18	Pumping engine	Toronto, Ont.	Feb. 23
Advertised, Eng. News, Feb. 23 to Mar. 23.			
May 11	Water main connection	New Orleans, La.	Mar. 23
May 14	Water-works	Mansfield, La.	Mar. 2
Advertised, Eng. News, Mar. 2.			
May 15	Pumping engine	Montreal, Que.	Mar. 9
Advertised, Eng. News, Mar. 9.			
May 16	Irrigation canals	Denver, Colo.	Mar. 23
Advertised, Eng. News, Mar. 23 to May 4.			
SEWERAGE.			
Mar. 31	Sewer system	Salem, Mass.	Mar. 9
Advertised, Eng. News, Mar. 9 to 23.			
Apr. 3	Sewage lift	Ft. Leavenworth, Kan.	Mar. 16
Apr. 3	Sewers, tanks	Kirkwood, Mo.	Mar. 16
Advertised, Eng. News, Mar. 16.			
Apr. 3	Sewer	Grinnell, Ia.	Mar. 23
Apr. 3	Sewers	Toledo, O.	Mar. 30
Apr. 5	Sewers	New York, N. Y.	Mar. 30
Apr. 5	Sewer	Harrisburg, Pa.	Mar. 30
Apr. 5	Sewer systems	St. Joseph, Mo.	Mar. 16
Apr. 6	Sewers	Alliance, O.	Mar. 30
Apr. 7	Sewer system	New York, N. Y.	Mar. 16
Apr. 10	Sewers	Cincinnati, O.	Mar. 23
Apr. 10	Sewers	Menominee, Mich.	Mar. 23
Apr. 10	Sewers	Toledo, O.	Mar. 30
Apr. 10	Sewers	Scottsville, Mich.	Mar. 30
Apr. 10	Sewer system	Regina, N. W. T.	Mar. 30
Apr. 10	Sewer tile	Renfrew, Ont.	Mar. 30
Apr. 18	6.65 miles sewers	New Orleans, La.	Feb. 16
Advertised, Eng. News, Feb. 16 to April 20.			
May 1	Sewer	Lexington, Ky.	Mar. 30
STREETS AND ROADS.			
Mar. 30	Road	Boston, Mass.	Mar. 23
Mar. 30	Fire clay	Detroit, Mich.	Mar. 16
Mar. 31	Paving material	Minneapolis, Minn.	Mar. 16
Mar. 31	Graveling	Greenville, O.	Mar. 23
Apr. 1	Macadamizing	Acton, Ont.	Mar. 23
Apr. 1	Macadamizing	Norwood, O.	Mar. 9
Apr. 1	Paving	Tacoma, Wash.	Mar. 9
Apr. 1	Roads	Fishkill, N. Y.	Mar. 30
Apr. 1	Paving, asphalt	St. Catharines, Ont.	Mar. 30
Apr. 1	Paving and curbing	Harrisburg, Pa.	Mar. 30
Apr. 1	Roads and walks	Ft. Myers, Va.	Mar. 30
Apr. 3	Road	Dayton, Wash.	Mar. 30
Apr. 3	Sidewalks	Bismarck, N. Dak.	Mar. 30
Apr. 3	Paving, asphalt	Long Island City, N. Y.	Mar. 30
Apr. 3	Grading, etc.,	White Plains, N. Y.	Mar. 30
Apr. 3	Paving	Syracuse, N. Y.	Mar. 30
Apr. 3	Grading, etc.,	Boston, Mass.	Mar. 30
Apr. 3	Paving, etc.,	Chester, Pa.	Mar. 30
Apr. 3	Paving, asphalt	New Orleans, La.	Mar. 30
Apr. 3	Paving, Montgomery,	Ala.	Mar. 9
Apr. 3	Roads	Bedford, Ia.	Mar. 16
Apr. 3	Roads	Harrisburg, Pa.	Mar. 16
Apr. 3	Macadamizing	Cortland, N. Y.	Mar. 23
Apr. 3	Road	Findlay, O.	Mar. 23
Apr. 3	Road	Vernon, Ind.	Mar. 23
Apr. 3	Roads	Bedford, Ind.	Mar. 23
Apr. 3	Paving, brick	Michigan City, Ind.	Mar. 23
Apr. 3	Road	Vicksburg, Miss.	Mar. 23
Apr. 3	Macadamizing	Bowling Green, O.	Mar. 23
Apr. 4	Paving, vitrified brick	Marion, Ind.	Mar. 23
Apr. 4	Road	Vincennes, Ind.	Mar. 16
Apr. 4	Roads	Bloomfield, Ind.	Mar. 16
Apr. 4	Sidewalks	Greenville, Miss.	Mar. 16
Advertised, Eng. News, Mar. 16 to Apr. 6.			
Apr. 4	Paving	Buffalo, N. Y.	Mar. 30
Apr. 4	Paving, Amsterdam,	N. Y.	Mar. 30
Advertised, Eng. News, Mar. 30.			
Apr. 5	Road	Bozrah, Conn.	Mar. 30
Apr. 5	Paving, Birmingham,	Ala.	Mar. 16
Apr. 5	Roads, Peru,	Ind.	Mar. 2
Apr. 5	Road, Paoli,	Ind.	Mar. 23
Apr. 5	Roads, Sullivan,	Ind.	Mar. 23
Apr. 6	Paving and curbing,	Danville, Ill.	Mar. 30
Apr. 6	Grading, Hillsboro,	Ore.	Mar. 30
Apr. 8	Macadamizing, St. Joseph,	Mo.	Mar. 30
Apr. 10	Streets, La Fayette,	Ind.	Mar. 23
Apr. 10	Macadamizing, Menominee,	Mich.	Mar. 23
Apr. 10	Sidewalks, Delaware City,	Del.	Mar. 16
Advertised, Eng. News, Mar. 16 to Apr. 6.			
Apr. 10	Road, Ft. Schuyler,	N. Y.	Mar. 30
Apr. 10	Paving, asphalt,	Cincinnati, O.	Mar. 30
Apr. 10	Sidewalks, cement,	Salt Lake City, Utah.	Mar. 30
Apr. 10	Paving, firebrick,	Uhrichsville, O.	Mar. 30
Apr. 11	Paving, asphalt,	New Brighton, N. Y.	Mar. 30
Apr. 14	Creosoted block,	Minneapolis, Minn.	Mar. 16
Apr. 12	Paving, etc.,	Brooklyn, N. Y.	Mar. 30
Apr. 14	Paving, brick,	Janesville, Wis.	Mar. 30
Apr. 14	Paving, etc.,	Cincinnati, O.	Mar. 23
Apr. 14	Road, sheil,	Ft. Mott, N. J.	Mar. 23
Apr. 15	Roads, Sullivan,	Ind.	Mar. 23
Apr. 15	Paving, brick,	East Cleveland, O.	Mar. 30
Apr. 17	Paving, asphalt,	Cincinnati, O.	Mar. 30
Apr. 17	Macadamizing,	Perrysburg, O.	Mar. 30
Apr. 18	Grading, etc.,	La Crosse, Wis.	Mar. 2
Apr. 20	Grading,	Gettysburg, Pa.	Mar. 30
Apr. 21	Paving,	Cincinnati, O.	Mar. 23
Apr. 30	Road,	Vicksburg, Miss.	Mar. 23
May 1	Paving,	Evansville, Ind.	Mar. 30
June 1	Paving, brick,	Fremont, O.	Mar. 16
No date	Sidewalks,	Ogden, Utah.	Mar. 23

MISCELLANEOUS CONTRACTS.

Mar. 30. Road rollers, scarifiers, New York, N. Y. Mar. 23
Mar. 30. Coal conveying apparatus, W. Point, N. Y. Mar. 9
Advertised, Eng. News, Mar. 9 to 30.
Mar. 30. Rock excavation, Boston, Mass. Mar. 2
Advertised, Eng. News, Mar. 2 to 30.
Mar. 31. Electric railway, China Oct. 20
Advertised, Eng. News, Oct. 20 to Dec. 29.
Apr. 1. Dredging, Sweden Nov. 24
Apr. 1. Electric cranes, Portsmouth, N. H. Mar. 9
Apr. 3. Sanitary fixtures, etc., Washington, D. C. Mar. 16
Apr. 3. Breakwater extension, Richibucto, N. B. Mar. 23
Apr. 3. Fire alarm system, Red Bluff, Cal. Mar. 30
Apr. 3. Garbage disposal, Chester, Pa. Mar. 30
Apr. 4. Wireless telegraph, Washington, D. C. Mar. 30
Apr. 4. Removal of dead animals, Yonkers, N. Y. Mar. 30
Apr. 4. Cement, Winnipeg, Man. Mar. 23
Advertised, Eng. News, Mar. 23 and 30.
Apr. 4. Cable, ties, reamers, Washington, D. C. Mar. 23
Apr. 4. Ditch, Fairmont, Minn. Feb. 23
Apr. 6. Creo-resinating lumber, New York, N. Y. Mar. 23
Apr. 6. Fire apparatus, Ann Arbor, Mich. Mar. 30
Apr. 8. Dredging, Dry Tortugas, Fla. Mar. 23
Apr. 8. Ditch work, Kenton, O. Mar. 23
Apr. 8. Railway, Yazoo & Miss. Valley. Mar. 9
Apr. 10. Steel rails and fishplates, Australia. Mar. 9
Apr. 10. Channel improvement, Bermuda Jan. 26
Advertised, Eng. News, Feb. 2.
Apr. 10. Dam, canals, etc., Denver, Colo. Feb. 16
Advertised, Eng. News, Feb. 16 to Mar. 30.
Apr. 10. Lumber, Washington, D. C. Mar. 23
Apr. 11. Machinery, etc., Washington, D. C. Mar. 16
Apr. 11. Foundry equipment, Washington, D. C. Mar. 16
Apr. 11. Pumps, files, vises, etc., Wash., D. C. Mar. 30
Apr. 12. Monument, Andersonville, Ga. Mar. 16
Apr. 13. Portland cement, Washington, D. C. Mar. 9
Advertised, Eng. News, Mar. 9 to April 13.
Apr. 15. Cruisers, Washington, D. C. Mar. 2
Apr. 15. 100 miles railway, Tidewater Ry. Mar. 9
Advertised, Eng. News, Mar. 9 to Apr. 6.
Apr. 15. Electric crane, Puget Sound, Wash. Mar. 9
Apr. 15. Quarrying, etc., Washington, D. C. Mar. 30
Advertised, Eng. News, Mar. 30.
Apr. 17. Dam, Pittsburg, Pa. Mar. 23
Advertised, Eng. News, Mar. 23 to Apr. 20.
Apr. 17. Dam, foundations, etc., Pittsburg, Pa. Mar. 23
Advertised, Eng. News, Mar. 23 to Apr. 20.
Apr. 18. Dam, foundations, etc., Pittsburg, Pa. Mar. 23
Advertised, Eng. News, Mar. 23 to Apr. 20.
Apr. 18. Tunnels, Penn., N. Y. & L. I. Ry. Mar. 30
Advertised, Eng. News, Mar. 30 to Apr. 13.
Apr. 18. Levee, Pointe a la Hache, La. Mar. 30
Apr. 19. Dam, foundations, etc., Pittsburg, Pa. Mar. 23
Advertised, Eng. News, Mar. 23 to Apr. 20.
Apr. 19. Saws, planers, scrapers, etc., Wash., D. C. Mar. 23
Apr. 19. Dam, San Francisco, Cal. Mar. 23
Advertised, Eng. News, Mar. 23 to Apr. 20.
Apr. 25. Rails, wire, lathe, etc., Washington, D. C. Mar. 30
Apr. 29. Ditch work, Monticello, Ill. Mar. 30
May 1. Electric railway, Toronto, Ont. Mar. 30
Sept. 1. Steel manufacture, New South Wales. Mar. 23
Advertised, Eng. News, Mar. 30 to June 29.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATCHISON, TOPEKA & SANTA FE.—J. J. Roche, of Fort Worth, Tex., is reported authority for statement that right-of-way has been secured for an extension of the Santa Fe from Kirbyville, Tex., to Alexandria, La., 140 miles. Grading has been completed for about 20 miles.

ATLANTA, BIRMINGHAM & ATLANTIC (ATLANTIC & BIRMINGHAM).—This company, incorporated by the Atlantic & Birmingham, will build an extension of the latter road from Montezuma, Ga., to Birmingham, Ala., 241 miles, with a branch from Wedowee, Randolph County, Ala., on the proposed extension, northeast to Atlanta, Ga., five miles. Advertisement states that the first section of 50 miles on the extension will be ready for grading between March 20 and April 1st. Profiles can be seen at Oglethorpe, Ga., after March 26, and contracts for work will then be let in large or small amounts. Alexander Bonnyman is Ch. Engr. Noted last week.

ATLANTIC COAST LINE.—Contract for double-tracking this road from Elm City, N. C., to Contentnea, N. C., has been let to W. R. BONSAL & CO., Wilson, N. C.

CHESAPEAKE & OHIO.—Company, it is reported, will build a branch about 50 miles long into Clay county, West Virginia, starting from a point near Charleston. F. I. Cabell is Engr. of construction, at Richmond, Va.

CHESAPEAKE & OHIO.—This company will spend $1,500,000 on maintenance of way improvements this year, it is said, particularly double-tracking and increase of yard facilities. Ten miles of the Peninsula division; 25 miles between Winifrede, W. Va., and Huntington, and about 13 miles near Cincinnati, on the Cincinnati Division, will probably be double-tracked; and new yards may be built at Thurmond, W. Va., and Russell, Ky.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS.—The Cincinnati division is to be double-tracked from Springfield to Cincinnati, O. Work probably will begin at once. George W. Kittredge is Ch. Engr., Cincinnati, O.

COOPERSTOWN & MOHAWK VALLEY.—It is expected to build this road during 1905 from Cooperstown to Springfield Centre, N. Y., 12 miles; also an extension from Springfield Centre to Mohawk Valley, 20 miles, is proposed. A. M. Farnum, Cooperstown, N. Y., is said to be interested.

CORNING, KEUKA LAKE & ONTARIO.—This company is said to be a reorganization of the old Sodus Bay, Corning & New York Ry. It has been incorporated in New York to build a railroad from Corning, N. Y., north to a point on Lake Ontario, a distance of 96 miles. Capital stock, $1,500,000. Incorporators: Robert H. Curtis, Pres., and John C. Zimmerman, Bradford, N. Y.; Frank Hodges, Frank Plaisted, Fred Crosby, Benjamin Hodges, William R. Barker, Dwight Little, Henry Knickerbocker, Frank A. Sears, S. A. Wilson, C. M. Crane and David Hoover. 35 miles of roadbed are said to have been graded by the former company.

DETROIT SOUTHERN.—H. B. Hollins & Co., 15 Wall St., New York, may finance extensive reorganization plans of this company, which include an extension into West Virginia coal fields. $2,500,000 of bonds may be issued. Samuel Hunt, Detroit, Mich., is Receiver.

DUBLIN & SOUTHWESTERN.—Reports state that an extension of this road is projected from Eastman, Ga., south to Fitzgerald, 35 miles. The present line extends from Dublin southwest to Eastman, 31 miles. E. P. Rentz Dublin, Ga., is Pres. Noted on Jan. 19. C. E. Rentz is Gen. Mgr.

GOBLE, NEHALEM & PACIFIC.—This railway is now seven miles long, extending from Goble, Ore., to point in Columbia county red fir timber land. The Columbia Timber Co., in which Robert Smith and F. S. Stanley, of Portland, Ore.; L. C. Stanley, of Chippewa Falls, Wis., and W. S. Dwinnell, of Minneapolis, are interested, has sold the railway to William Reid, of Portland. Mr. Reid will extend the railway this summer.

HELENA, TUPELO & DECATUR.—It is reported that R. H. Phillips, C. E., and Major E. C. Finley, of St. Louis, are financing the construction of this railway. It is planned to build from Helena, Miss., via Tupelo, to Decatur, Ala.

HENDERSON CITY.—This road will extend from Evansville, Ind., to Henderson, Ky., 12 miles; also from Henderson to Owensboro, Ky., 25 miles. H. W. Richardson is Secy., Keller Bldg., Louisville, Ky.

HOOD RIVER.—Contracts have been let by the company to ARCHIE MASON and GLEBISCH & JOPLIN, of Portland, Ore., for construction of 16 miles of road-bed and laying of rails. There will be several trestles and a 300-ft. tunnel.

IMBODEN & ODELL.—We are informed that T. J. CARMACK, of Charleston, W. Va., has been awarded contract for constructing an 11-mile extension on Blue Creek, as advertised in Engineering News on Feb. 16. Other work is now under consideration.

INDUSTRIAL.—An extension from De Ridder, Tex., is considered. Sam Park is Pres.

IOWA GREAT NORTHERN.—The Great Northern Ry. has incorporated this company in Iowa to build lines in and about Sioux City, Ia. A. F. Call, Sioux City, is representative.

JEFFERSON & NORTHWESTERN.—An extension 25 miles long may be built to make a connection with the St. Louis Southwestern Ry. C. E. Brown, Oak Cliff, Tex., is Ch. Engr. A. D. Clark, Dallas, Tex., is Pres.

KANSAS, OKLAHOMA & POTEAU.—This company has been incorporated in Oklahoma Territory with a capital stock of $10,000,000. J. W. McNeal and Luther West, of Guthrie, Okla.; Frank M. Daly, of Nevada, Mo.; J. K. Berry, Pawnee, Okla., and others, are incorporators. It is proposed to build a road from Guthrie, Okla., east through Logan, Lincoln and Payne counties to Wagoner, Ind. T., and another line from a point near the Kansas state line in the northwesterly part of the Osage nation through Pawnee County, Okla., and the Creek nation, by way of an intersection with the first-mentioned line, to Poteau, Ind. T.

KENTWOOD & EASTERN.—E. V. Preston, Superintendent, Kentwood, La., writes that this road, which now runs from Kentwood to Hackley, La., 31 miles, may be extended from Kentwood west to Baton Rouge, La., and from Hackley east to some point on the Gulf & Ship Island in Mississippi. E. V. Preston, Kentwood, La., is Supt.

LAC LA BELLE & CALUMET.—W. W. Stockly, of Hancock, Mich., is engineer-in-charge of survey which is being run for a road from Red Jacket to Lac La Belle, Mich., 30 miles; an extension 16 miles long to the extremity of Keweenaw Point is proposed. C. A. Wright, Houghton, Mich., is said to be interested.

LIVE OAK & SUWANEE SPRINGS.—Company has been chartered to build a 6-mile railway and to do a freight and passenger business. The capital stock is $20,000. The general offices are at Live Oak. The incorporators are: F. L. Rey, C. J. McGehery, C. D. Blackwell and B. W. Helvenston.

MINNESOTA.—Engineers have completed survey for a new railway to be built for the Shevlin-Carpenter Lumber Co., north of Bernidji.

NEW BRUNSWICK SOUTHERN.—An extension may be constructed this summer to New River Beach, on the Bay of Fundy, from St. John, N. B. F. J. McPeake, St. John, is Supt. Another extension, to Calais, Mo., is considered.

NEW ORLEANS GREAT NORTHERN.—W. J. OLIVER, of Knoxville, Tenn., has been awarded the contract to build the New Orleans Great Northern Railroad running north from New Orleans along the Mississippi River a distance of 350 miles. He is to begin work at once, it is said, and the road is to be completed within one year. A trestle three miles in length will be one of the features of the road. This trestle will cross Lake Ponchartrain.

NEW YORK, NEW HAVEN & HARTFORD.—J. J. O'BRIEN CONTRACTING CO., 258 Broadway, New York, have contract for additional second track on Naugatuck division. Work is in progress. F. J. Easterbrook is Asst. Engr. in charge. The elimination of grade crossings in Waterbury, in connection with this work, is under consideration. Other construction work which is reported under way is as follows: Double tracking the Highland division. H. E. Smith, Asst. Engr., is in charge. Sections from Stormville to Towners, N. Y., under way. C. W. BLAKESLEE & SONS, and JOHN W. DALY CO., contractors. Sections from Towners to Danbury, 16 miles, under consideration. Large freight yard, engine house, coaling plant, etc., at Midway, N. Y., Shore Line division; F. H. Ellsworth, Division Engr., is in charge; nearly completed. HORTONS & HEMENWAY, contractors. The Harlem River branch from Harlem River to New Rochelle, at present a double track line, is to be six tracked and all grade crossings eliminated. R. M. Berrian, Asst. Engr. of Construction is in charge. NEW YORK CONTRACTING & TRUCKING CO., contractors. Estimated cost, $7,702,000. Also four-tracking the New Haven "cut," 1.65 miles, from Water St. to Cedar Hill station. C. R. Harte, Asst. Engr., is in charge. This work has been approved by the State R. R. Commission, but the city of New Haven has taken an appeal to the legislature. The work is held up until the appeal has been heard. Estimated cost, $1,250,000. Double-tracking the Berkshire division from New Haven to Derby, 11 miles, is under consideration.

NORTHWESTERN & GULF.—Company has been incorporated at Chicago with $100,000 capital stock. The line planned is to run from Centralia, Marion County, Ill., to a point on the Ohio River near Shawneetown, Ill. The incorporators and first board of directors are Walter Mueller, O. H. Baker and W. Elden, of Chicago; J. M. Stehman, Pasadena, Cal.; and J. D. Wagoner, Ft. Madison, Ia.

OHIO.—Cleveland and Youngstown capitalists are said to be backing a project to build a new railroad from Moran, O., to New Castle, Pa., where connections will be made with the Buffalo, Rochester & Pittsburg Ry. The road will tap the coal fields of Western Pennsylvania. It is proposed to build the road from Moran in a southeasterly direction, passing through Phalanx, Warren and Niles, O., to New Castle. Nearly all the right of way has been secured, and the project has strong financial backing, according to newspaper statements.

Vanderbilt railroad interests are said to have planned construction of a belt line from Collinwood to Berea, circling city of Cleveland.

ORFORD MOUNTAIN.—H. C. Cleveland, Ch. Engr., Kingsbury, Que., has stated that this railway is to be extended from Potter Springs to North Troy, Vt., 10½ miles. Work is in progress on an extension from Kingsbury to Winslow Mills, Que., 10 miles. It is to be extended from Windsor Mills to Brompton Road, Que., it is said. A. C. Lytle, Eastman, Que., is Engr.

PENDLETON RAILROAD & COAL CO.—Pres. Pendleton, Ore., states that this company, which was recently chartered in Oregon, will build a railroad from Pendleton to Heppner, about 80 miles, passing through Pilot Rock, Ridge, Ukiah and Alba field, Heppner, Ore., is Secy., and Charles Pres. and General Counsel. Headquarters are at Pendleton, Ore.

PENNSYLVANIA, NEW YORK & LONG ISLAND.—Bids are asked by the Pennsylvania, New York & Long Island Ry. Co., Robt. H. Groff, Secy., 85 Cedar St., New York, until April 18 for the construction of tracks on various streets. (Advertised, Engineering News.)

PHILADELPHIA & READING.—Engineers have completed a survey for a tunnel through Broad Mountain, which will be four miles long. It will afford a new route between Philadelphia and Williamsport. Estimated cost, $5,000,000.

POTLATCH LUMBER CO.—The Potlatch Lumber Co. has announced that it will build a railroad from the city of Palouse, Wash. Right-of-way and depot grounds have been granted by that city. Construction will commence this spring and road will be built up the Palouse River valley to junction of the Moscow & Pullman road.

ST. LOUIS & NORTH ARKANSAS.—An extension probably will be built from Leslie, Ark., to Searcy, 25 miles. The line may be continued to New Orleans. W. Lee is Ch. Engr., Eureka Springs, Ark.

SAN DIEGO EASTERN.—Right-of-way has been granted this company through San Diego, Cal., and line has been surveyed. Capital, $10,000,000. The line will run from San Diego to the Colorado River, at Yuma, Ariz., about 225 miles. George W. Marston, San Diego, is Pres., John E. Boal is vice-Pres., and L. L. Boone, Secy.

SOUTHERN.—It is said that plan to build from Stevenson, Ala., to Chattanooga, Tenn., is again under consideration. D. W. Lum, Ch. Engr. M. of W., Washington, D. C.

TENNESSEE INDUSTRIAL.—J. W. Russell, City, Centreville, Tenn., informs us that election which was to have been held on March 11, to vote on question of Hickman county subscribing $100,000 of bonds for the Tennessee Industrial Ry., has been postponed until April.

TEXAS & PACIFIC.—This company is to build a branch 22 miles long from Melville to Simmesport, La., where connection will be made with the Aroyalles division, paralleling the Atchafalaya River. Work will begin at once. W. P. Moberly, Asst. Engr., is in charge of construction. B. S. Wathen, Ch. Engr., Dallas, Tex.

VANDALIA.—The stockholders on March 15 are said to have unanimously voted to authorize the proposed $25,000,000 bond issue; of which $5,927,000 will be used to pay matured mortgage indebtedness, 4,700,000 is reserved for indebtedness not matured, and $14,370,000 will be used for improvements. F. T. Hatch, St. Louis, is Ch. Engr.

VICKSBURG & SOUTHEASTERN.—W. P. Harding, Pres. of the Vicksburg & Southeastern Railroad, Vicksburg, Miss., announces that arrangements for financing the enterprise have been completed and that the work of securing right-of-way will be undertaken at once. The route was located two years ago.

WEST SHORE (NEW YORK CENTRAL & HUDSON RIVER).—It is reported that the West Shore will install electric motive power on all its lines for a distance of 50 miles from its Harlem terminals.

WILKESBARRE EAST & WEST.—New York capitalists are said to have capital subscribed for building this line. The expense of the construction between Williamsport, Pa., and Port Jervis, N. Y., is estimated at $7,000,000. From Wilkesbarre to Williamsport the line will touch Wilkesbarre, Hanover, Breslau, Plymouth, Avondale, West Nanticoke, Ceasetown, Pritchards, Lehman, Meeker, Loyalville, Ripple, Kittle, Sweet Valley, Pleasant Hill, Moretown, Philips' Notch, Red Rock, New Columbus, Cambra and Huntington Mills.

STREET AND ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

NORTH ADAMS, MASS.—It is stated that it may be several weeks before contract for construction of Bennington & North Adams Street Railway is let. Bids were opened March 15. White & Towne, Engrs., 292 Main St., Springfield, Mass.

BRIDGEPORT, CONN.—We are informed the Union Metallic Cartridge Co. and Wheeler-Wilson Co. will not construct an electric line, as was previously reported.

WEST CHESTER, PA.—We are informed that the West Chester Street Ry. Co. will extend its line this season from Downington to Coatesville, a distance of about four miles, to connect with the Coatesville Traction Co. C. V. Mills is Gen. Supt.

DOVER, DEL.—The Interurban Ry. Co., recently incorporated, will, it is understood, take over the business of Delaware Suburban Co., which is preparing to build a trolley line from Wilmington to Elkton, Md., via Marshalltown and Newark. There will be fourteen miles of road. Incorporators: Benj. F. Meyers, of Harrisburg, Pa.; Geo. G. Schlegehuilch and Bernard Hoopes, of Philadelphia, Pa.; Henry R. Fothergill and John P. Nields, of Wilmington, Del.

NORFOLK, VA.—L. R. Britt, of Norfolk, Pres. Seaboard Traction Co., informs us that the survey has been made and right of way obtained for proposed electric railway from Portsmouth to Suffolk and to Smithfield, Va., about 43 miles. H. F. Day is Ch. Engr., Norfolk.

GREENVILLE, S. C.—The Greenville & Knoxville Ry. Co. has been authorized to amend its charter and change its name to Greenville, Greenwood & Knoxville R. R. Co., as it proposes to extend from Greenville to Greenwood, about 50 miles. H. H. Prince and others are interested.

JACKSON, MISS.—The Governor of Mississippi has authorized the incorporation of Jackson & Vicksburg Electric Ry. Co. to construct a line from Jackson to Vicksburg, Miss., about 40 miles. A. M. Nelson, W. Q. Cole and Wirt Adams, all of Jackson, are interested. Mr. Adams states that construction will commence as soon as pending details can be arranged. Survey has been made.

LEXINGTON, KY.—It is reported that the recently incorporated Olympian Springs Co., of Lexington, will build an electric car line from Chesapeake & Ohio road to the springs and extend it to West Liberty.

COVINGTON, IND.—City Council has granted a franchise to Fountain-Warren Traction Co., which proposes to build a line from Lafayette to Danville, Ill., via Covington. The company's headquarters will be in this city.

MUNCIE, IND.—The Muncie, Hartford City & Ft. Wayne Traction Co. will complete its branch line north from Bluffton to Fort Wayne this summer. Roberts & Abbott Co., of Cleveland, O., Engrs.

SAGINAW, MICH.—Roberts & Abbott Co., Consulting Engrs., Electric Bldg., Cleveland, O., inform us that the surveys for extension of Detroit, Flint & Saginaw Railway from Saginaw to Flint and to Vassar, a distance of 50 miles, have been partly made and about 11 miles of road constructed. The remainder of system has not yet been financed. Previously noted.

NIOBRARA, NEB.—J. S. Emerson, of St. James, Neb., informs us that a company is now being organized with a view of constructing an interurban line from Niobrara to Sioux City.

LITTLE ROCK, ARK.—The Little Rock & Hot Springs Electric Ry. Co. was organized at Board of Trade, March 13, for the purpose of building an interurban electric line between the two cities. Capital stock $2,000,000. L. Garrett is Ch. Engr.

FORT WORTH, TEX.—It is stated that the Northern Texas Traction Co. will build an electric line from Fort Worth to Mineral Wells. F. M. Haines, of Fort Worth, is Gen. Mgr.

LULING, TEX.—The San Marcos-Luling Interurban Ry. Co. has almost completed the location of route for its road between Luling and San Marcos, a distance of 12 miles, and it is announced that work of construction will be commenced early in April.

MUSKOGEE, IND. T.—The Muskogee Traction Co. will extend its line a distance of 60 miles. Ira L. Reeves is Gen. Mgr.

SPOKANE, WASH.—H. W. Warrington, Ch. Engr., of the proposed Kettle Valley line from Republic to Spokane, states that it is expected to have survey completed by April 15. Road will be 140 miles long and will cost $3,500,000. It will follow the San Poil River from Republic to Columbia River, cross Columbia by a steel bridge below Hellgate, thence to this city.

HILLSBORO, ORE.—The ATLAS CONTRACT & SUPPLY CO., Ed. Records, Pres., 311 Rialto Bldg., San Francisco, Cal., has been awarded general contract for building and equipping Oregon Traction Co.'s 26-mile electric road from Portland to Hillsboro via Forest Grove and Cedar Mills. The cost will be about $750,000, including equipment. Andrew Braydon is Pres., Portland.

PORTLAND, ORE.—It is announced that the Oregon Water Power & Ry. Co. will build the proposed branch railway from Cedarville to Fairview and Troutdale this year. Work of construction will be started at an early date. This line will be about seven miles long. Geo. I. Brown is Ch. Engr., Portland.

MONTEREY, CAL.—The Monterey County Gas & Electric Co. will build an electric road for passengers and freight traffic between Monterey and Salinas and which will ultimately be extended to Hollister and later into San Joaquin Valley and Fresno. Cost, $300,000. M. V. McQuigg is Secy., Monterey.

SANTA ROSA, CAL.—The Petaluma & Santa Rosa Ry. Co. will, it is stated, extend its line at once from Green Valley to Forestville. Work on extension will be started at once. Alfred D. Bowen is Gen. Mgr., Petaluma.

ST. CATHERINES, ONT.—J. H. Armstrong, Consult. Engr., P. O. Box 7, St. Catherines, Ont., has some 21 miles of electric railway to build from this place to connect with the C. P. R. R. and T. H. & B. Ry., and would like to get in correspondence with capitalists who would furnish the money to build and equip the road. The road is located and plans, profiles and estimates have been prepared. Necessary franchises have been secured, as has a Provincial Charter. Electric power is plentiful and could be secured to operate the road at a cost of $15 per HP.

TORONTO, ONT.—Tenders are being received until May 1 by the Toronto & Hamilton Ry. Co. for grading, culverts, masonry, bridges and other work required for construction of railway between Toronto and Niagara Falls. Plans at company's office corner Scott and Front Sts.

LIGHT, HEAT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

ST. ALBANS, VT.—The Vermont Power & Manufacturing Co., of St. Albans, has made surveys for a transmission line from its plant at Fairfax to the villages of Cambridge and Jeffersonville, a distance of about 30 miles. Both villages have signified an intention of installing street lights. F. H. Foote is Supt.

BRISTOL, CONN.—Bids are asked by Bristol & Plainville Tramway Co., Miles Lewis Peck, Pres., Bristol, until April 12, for laying about 10 miles of cast iron gas mains and specials in this town. (Advertised, Engineering News.).

POTSDAM, N. Y.—H. B. Sweet, Engr., of Utica, N. Y., has submitted an estimate of cost for an electric lighting plant for this village. Detailed cost is placed at $40,000, as follows: Street equipment, $10,000; water power development, $7,000; generating plant (electrical), $9,000; steam plant, $7,500; power-house, including flumes and foundations, $3,000; incidental expenses, engineering, etc., $3,500. George Lewis, Pres. Village.

ATLANTIC CITY, N. J.—The Philadelphia & Reading Ry. Co. has invited bids for a power house in this city, it is said. F. F. Gaines, Reading, is Mechanical Engr. P. & R.

CHESTER, PA.—Bids are asked until April 3, 10 a. m., for lighting city hall. David B. McClure, Chn. Com. on Light.

KUTZTOWN, PA.—It is reported that city has voted to issue $15,000 bonds for the construction of an electric light plant.

LANSFORD, PA.—Dodge & Day, Engrs., Philadelphia, have been commissioned to take charge of erection of new centrally-located power plant for the Lehigh Coal & Navigation Co. This plant, we are informed, will provide current for company's shops, the Tamaqua & Lansford Street Ry., and for electrical equipment to be installed in mines for pumping and transportation purposes. Herbert Clark, Drexel Bldg., Philadelphia, is Consult. Engr. for Tamaqua & Lansford Co.

SCRANTON, PA.—The West Scranton Light, Heat & Power Co. has applied for a franchise to erect an electric power plant. Wm. T. Davis is interested.

WASHINGTON, D. C.—Bids are asked by District Commissioners, until April 8, for lighting public streets, avenues, alleys and roads in District of Columbia, under one year or three-year contracts, using incandescent mantle naphtha lamps; bids are also asked for street lighting using incandescent mantle gas lamps. Henry B. F. Macfarland, Comr. (Advertised, Engineering News.)

MT. WASHINGTON (Baltimore postoffice station), MD.—The Mt. Washington Electric Light & Power Co., has commissioned Thomas C. Kennedy, Archs., 331 North Charles St., Baltimore, to prepare plans and specifications for power house about 30 ft. high, 65 x 85 ft.; brick with reinforced concrete roof. The contract for the roof has been awarded to the STEEL CONCRETE CONSTRUCTION CO., 400 St. Paul St. Other contracts will be let at once.

GRAHAM, N. C.—See under Water-Works.

CALHOUN FALLS, S. C.—The DRAVO CONTRACTING CO., of Pittsburg, Pa., is said to have been awarded the contract for erecting plant here for the Savannah River Power Co. It is planned to develop 6,000 HP. S. M. Orr and H. H. Watkins, of Anderson, S. C.; O. M. Sheffield and H. A. Orr, of Atlanta, Ga., and J. E. Sirrine, of Greenville, are interested. J. E. Sirrine is Engr.

GREENVILLE, S. C.—Lockwood, Greene & Co., Boston, are engaged as engineers for development of water-power at this place for the Saluda River Power Co., which was recently incorporated with $300,000 capital.

GREENWOOD, S. C.—A. J. Sproles, Supt. water and electric light plant, informs us that final proposals will be received by Commissioners of Public Works at 3 p. m., April 4, for electrical equipment, noted in full on March 16. Propositions by mail will be carefully considered. If brought in person, thirty minutes will be accorded to representative in which to put any new or special feature before the Board.

SENOIA, GA.—We are informed that an election will be held on April 20 to vote on issuance of $15,000 of electric light bonds. J. B. McCrary, Consult. Engr., Senoia, has been engaged to prepare plans and specifications.

NEW ORLEANS, LA.—Sanderson & Parker, 323 Baronne St., are Engrs.-in-Charge of new power plant for New Orleans Ry. Co. Total cost will be about $1,000,000. Noted last week.

ATHENS, TENN.—Long Bros. have purchased the plant of the Athens Light & Power Co., which will be improved and a building 22 x 23 ft. will be erected. L. E. Sloop is Engr. in Charge. T. J. Long is Arch.

DANVILLE, KY.—The Danville Light, Power & Traction Co. has been incorporated with $50,000 capital stock to operate an electric light and power plant.

COLUMBUS, O.—Board of Public Service has asked council to appropriate $35,000 of bonds for completion of city lighting plant. William Wilcox is Supt. of plant.

LAFORTE, IND.—FRED. W. FREESE, of Fort Wayne, Ind., has been let contract for gas plant at this place.

LIGONIER, IND.—Bids are asked until April 27 by Fred. H. Green, Mayor, for lighting the city by electric light for a term of ten years from Nov. 1, 1905, with 40 or more 2,000-c. p. inclosed arc lamps; also for furnishing an incandescent system of electric lighting, and a system of commercial arc lights for business houses and residences for the same term of years. R. E. Jeannerret, Cy. Clk.

ELGIN, ILL.—The municipal lighting plant has been leased, for ten years, to the Elgin, Aurora & Southern Traction Co., of Aurora. R. W. Conaut, Aurora, is Ch. Engr. of Co.

JOLIET, ILL.—A $7,000,000 gas corporation which proposes to furnish light to a majority of the large towns around Chicago is seeking a charter from the state under the gas consolidation act. The proposed company consists of the La Grange Gas Co., the Western United Gas Co., of Aurora, the Joliet Gas Co., and the Elgin American Gas Co. Eight and 6-inch gas mains have been laid between the different towns. One from La Grange to Aurora will supply Downer's Grove, Naperville, and other towns. One from Aurora to Elgin supplies Geneva and St. Charles. One from West Chicago to Elmhurst supplies Wheaton, Lombard, and other towns. The Joliet line takes in others, and extensions are proposed.

BERLIN, WIS.—Victor F. Lawson, a Chicago newspaper owner, is said to have bought the Green Lake water-power rights at this place.

SPOONER, WIS.—Bids are asked until March 30 for installing a complete water-works and electric light system. Lou J. Thompson, Village Clk.

MILWAUKEE, WIS.—We are informed that the Union Light & Power Co. has been incorporated to build a gas plant near Milwaukee. Capital, $5,000. A. G. Marks, 494 Milwaukee St., Charles Bryon and L. B. Budd are named as the incorporators. Plans are at present undecided.

LA CROSSE, WIS.—Bids are asked until noon, April 1, for light and power plant for Wisconsin Light & Power Co. Work is divided into 12 contracts. Jacob Cloos, Consult. Engr., Matthews Bldg., Milwaukee, Wis.

DES MOINES, IA.—Bids are asked by N. B. Vertrees, Cy. Clk., until 9 a. m., March 31, for electrical supplies for the fiscal year, beginning April 1, 1905.

FERGUS FALLS, MINN.—City council is said to have approved plans for rebuilding city power dam. Estimated cost, $40,000.

WAVERLY, KANS.—Bids are asked at office of W. K. Palmer, Consult. Engr., 718 Dwight Bldg., Kansas City, Mo., until 2 p. m., April 3, for constructing an electric light plant. J. C. Fear, Mayor; W. H. Williams, Cy. Clk.

ALMA, NEB.—Bids will be received on March 28 for the purchase of $15,000 of water bonds and $2,500 of electric light bonds. No engineer has as yet been selected, and propositions for the position will be received until April 15. A. A. Billings is Cy. Clk. Noted on March 16.

NEW FRANKLIN, MO.—A special election was to be held March 27 to vote on a proposition to grant a franchise for an electric light plant to be erected and operated by a New Franklin company.

SEDALIA, MO.—JOSEPH McWILLIAMS & CO., Louisville, Ky., we are informed, are Engrs. and Contractors for proposed steam power plant for the Sedalia Water, Gas & Electric Co. The plant is to be installed this summer. Est. cost, $145,000.

MUSKOGEE, IND. T.—D. W. Bolick, Ch. Engr., states that the Muskogee Grand River Power Co. has been incorporated to construct a water-power plant, of 40,000-HP. capacity, on Grand River, about 11 miles from Muskogee. Surveys have been started. C. N. Haskell, of Muskogee, is Pres.; Carl Pursell, Secy.

BELLINGHAM, WASH.—The Chancellor Gold Mining Co. will build a power plant in the Slate Creek mining district this summer. H. A. Parker, of Chicago, is interested, according to a report.

SPOKANE, WASH.—The Washington Water Power Co. will soon increase its capital to $5,000,000, to cover the expense of prospective extensions and improvements. In addition to the Post Falls, Idaho, power plant contract, which has been let to NELSON BENNETT, of Tacoma, it is proposed to extend the line to Medical Lake, at a cost of about $300,000, and also build between two and three miles of new power line within the city limits. D. L. Huntington, Spokane, is Mgr.; J. B. Fisken, Supt. President Henry M. Richards has stated that $3,500,000 is available for use within next three years.

SUMAS, WASH.—R. S. Fisher, of Seattle, representing W. H. Winford, has applied for an electric-light and water system franchise.

OCEANSIDE, CAL.—An ordinance has been adopted granting the Oceanside Electric & Gas. Co. right to lay gas pipes and to erect poles and wires for transmission of electric power here. H. D. Brodie, Cy. Clk.

SAN FRANCISCO, CAL.—Contract has been awarded to CHARLES C. MOORE & CO. by the Tonopah Mining Co. of Tonopah (Butler post-office), Nev., for the construction of a large power plant for the latter company. The contract calls for the complete installation of a steam power plant to be erected on the line of the Tonopah Ry., about 20 miles northwest of Tonopah. A. Tripp is Supt. of Tonopah Ry., at Tonopah, Nev.

SAN FRANCISCO, CAL.—The Owens River Water & Power Co., of San Francisco, proposes developing power on Owens River, Inyo County, Cal., for use in Tonopah and Goldfield, Nev., with a transmission line 90 miles in length. Preliminary surveys have been completed and construction will begin at an early date. W. E. Condon, 411 Kohl Bldg., San Francisco, is Ch. Engr. Leon M. Hall, 814 Rialto Bldg., is Consulting Engr.

SANTA MONICA, CAL.—The Independent Gas Co. may erect a $50,000 gas plant at Ninth and Colorado Sts. A. E. Robinson, C. C. Rathbone and F. E. Bundy are reported to be interested in company.

VALLEJO, CAL.—The Rochester Oil Co. proposes to expend $10,000 in piping gas to Suisun and Fairfield, where a high pressure system is to be installed. The company's well is said to have a capacity of 100,000 cubic ft. daily.

RENO, NEV.—P. L. Flannagan, Pres. of the Reno Power, Light & Water Co., has been granted permission by council to build a new gas plant, to cost $75,000; the building will cost $50,000. Permission to construct proposed woolen mill, at cost of $100,000, also was granted. Both structures are to be completed this year.

PROVO CITY, UTAH.—Daniel C. Robbins informs us that nothing of a definite nature has been decided upon regarding proposed power plant in Huntington Canyon.

SALT LAKE CITY, UTAH.—The Utah Light & Ry. Co., R. S. Campbell, Gen. Mgr., will construct a power plant on site of the Granite paper mill.

Samuel Newhouse, of this city, will erect a large power and electric light plant if granted certain privileges by council.

MONTREAL, QUE.—The directors of the Montreal Light, Heat & Power Co. have decided on a plan of extended improvements that will result in an entire change in the system for distributing power throughout the city. The plan includes the erection of a large sub-station on Mentana St., and a new distributing center, to be located in the Cote St. Paul station.

CHARLOTTE TOWN, P. E. I.—A municipal electric lighting plant will be installed.

SYDNEY, N. S.—This city, it is reported, will issue $60,000 of bonds, for constructing and equipping an electric light plant.

MORRISBURG, ONT.—The proposition to provide for the development of 1,100 HP. from the Rapide Plat Canal will be submitted to the voters on March 31st.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

NEW YORK, N. Y.—The RITER-CONLEY MFG. CO., 39 Cortlandt St., New York, has been awarded the contract for 15,000 tons of structural steel for the erection of 125 bridges by New Central Railroad. The steel will be used to reconstruct bridges on West Shore division, and will call for an expenditure of about $1,000,000.

PATERSON, N. J.—Bids are asked by Committee on Main St. bridge of Board of Chosen Freeholders until April 3, 8 p. m., for repairing north abutment and south pier of said bridge. Paul Van Wyck, Chn.

TOWANDA, PA.—Plans and specifications are being prepared for proposed bridge across Susquehanna River at James St., by David A. Keefe, Bridge Engr., Athens, Pa. The work will be advertised for bids when approved by court.

CARTERSVILLE, GA.—It is stated that this county will build a steel bridge over Etowah River, near Kingston, and will contract April 5. Address L. P. Gaines for information.

DECATUR, ALA.—A passenger and electric railway bridge will probably be built across Tennessee River here. Secretary Business Men's League can give information.

SHREVEPORT, LA.—The PHOENIX BRIDGE CO., 410 Walnut St., Philadelphia, Pa., has secured contract for construction of superstructure of bridge over Red River at Shreveport. Contract for substructure was let some time ago to MISSOURI VALLEY BRIDGE & IRON WORKS, of Leavenworth, Kan. Total cost, $250,000.

DAYTON, O.—We are informed that this city will sell on April 1 $120,000 bonds for construction of concrete steel bridge across river at Washington St., and $37,000 for bridge at Herman Ave. Ed. Philipps is Cy. Audr.

CLEVELAND, O.—Bids are asked by County Commissioners until April 12 for constructing several steel bridges in county. Julius C. Dorn, County Clk.; Wm. H. Evers, Engr.

CINCINNATI, O.—Bids are asked by County Commissioners until April 21 for crushed stone on approaches to suspension bridge over Whitewater River, Whitewater Township. Eugene L. Lewis, County Audr.

DAYTON, O.—Bids are asked by Board Public Service until April 4 for constructing abutment walls and for erection of superstructure of bridge across Wolf Creek at Summit St. F. M. Turner, Cy. Engr.

LEBANON, O.—County Commissioners awarded contract for constructing Cadwallader bridge over Turtle Creek near Lebanon, and Twin Creek bridge near Carlisle to OREGONIA BRIDGE CO., of Lebanon, for $2,550 and $2,880 respectively.

CLEVELAND, O.—We are informed that all bids received by Board Public Service, March 20, for constructing superstructure of steel highway bridge on Detroit St., were rejected and that new bids will be received until April 10. A. R. Callow, Secy.

JASPER, IND.—Bids are asked by County Commissioners until April 4, 11 a. m., for the erection of two iron bridges, one 28 ft. long and the other 30 ft. long, both to have 12-ft. roadway.

Bids will be received at the same time and place for repairing bridge across Eckert's Patoka River, at Eckert's mill. M. A. Sweeney, County Audr.

WILLIAMSPORT, IND.—Bids are asked by County Auditor until April 3 for repairing of 105-ft. span bridge.

ALGONA, IA.—Bids are asked by Board of Supervisors until April 5, 2 p. m., for constructing four steel bridges, one 84-ft., two 70-ft. and one 60-ft. span. L. E. Potter, County Audr.

ELK RIVER, MINN.—Bids are asked bl Committee, W. Marvin, G. D. Heuring and A. H. Nickerson, Members, until April 7, or constructing bridge over Mississippi River. C. A. P. Turner, Engr., 816 Pheonix Bldg., Minneapolis. Plans are on file at office of Engineering News, Monadnock Bldg., Chicago, Ill. (Advertised, Engineering News.)

LINCOLN, NEB.—Bids are asked by County Commissioners until April 5 for construction of bridge across Spil man Creek. N. J. Davison, County Clk.

TOWNSEND, MONT.—Bids are asked by County Commissioners until April 10 for constructing a steel or combination bridge over Missouri River at Townsend. Wm. Schreimer, Clk.

MITCHELL, S. DAK.—Bids are asked by County Commissioners until April 4 for constructing truss bridge, 28 ft. long, with 16-ft. roadway, in Badger Township. O. D. Stearns, County Audr.

BENTONVILLE, ARK.—We are informed that the contract was let to MISSOURI VALLEY BRIDGE & IRON CO., of Leavenworth, Kan., for $6,498, for bridge across Sugar Creek, 66-ft. span, no approach, and for bridge across Osage Creek, 120-ft. span and 175-ft. approach.

JASPER, TEX.—The contract for superstructure of bridge to be erected on Jasper & Eastern Railroad across Sabine River, has been awarded to KAHMANN & McMURRAY, of Kansas City. Total cost, $100,000.

RITZVILLE, WASH.—County Commissioners have rejected all bids on Stampley bridge and ordered new plans and specifications by April 1.

SPOKANE, WASH.—McCREARY & WILLARD, of Spokane, were awarded contract by Northern Pacific R. R. Co. for construction of road two miles in length, near Coeur d'Alene City. The contract includes a bridge across Spokane River and a portion of trestle built on piles.

RIVERSIDE, CAL.—Bids are asked by Board of Supervisors until April 5, 10 a. m., for grading and filling of approach to West Riverside bridge. Geo. M. Pearson, County Audr. W. W. Phelps, County Clk.

SACRAMENTO, CAL.—It is expected that actual building work upon steel drawbridge connecting Grand Island with mainland will be commenced about July 1. The bridge is to be located below Courtland. CLARK & HENERY, of Stockton, are the contractors.

SONORA, CAL.—Bids are asked until April 3, 7.30 p. m., for constructing three steel bridges with appurtenances. C. E. Street, Cy. Clk.

SAN FRANCISCO, CAL.—Chas. W. Fay, Clk. Bd. of Supv., informs us that the matter of constructing bridge at Mt. Vernon Ave. will be considered by Board at time of fixing annual budget in May.

SAN BERNARDINO, CAL.—Board of Supervisors has awarded contract for building steel bridge across San Timoteo Creek to AMERICAN BRIDGE CO., 100 Broadway, New York, for $2,370.

TORONTO, ONT.—See under Street and Electric Railways.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—Bids are asked until April 24 for construction, plumbing, steam-fitting and electric-wiring of several brick buildings at Fort Andrews. John E. Baxter, Q. M.

M. D. Safford, Arch., 724 A St., South Boston, has prepared plans for a warehouse for the Boston Wharf Co., which will cost $50,000.

BEVERLY, MASS.—Plans and specifications will be received by the school department until noon, March 31, for a 12-room brick school house, to cost complete, exclusive of furniture, not more than $65,000. Address school committee for further particulars.

WORCESTER, MASS.—Geo. H. Clemence, Arch., 405 Main St., Worcester, has drawn plans for police headquarters building, to be built on Walter St. It will be four stories, 140 × 150 ft., steel frame, fireproof, asphalt roof. Cost, $100,000.

TROY, N. Y.—Trustees of Rensselaer Polytechnic Institute have commissioned Whitfield & King, 160 Fifth Ave., New York, to draw plans for new buildings. Previously noted.

ALBANY, N. Y.—Bids have been received for construction of National Guard armory. Dennison & Son, of Rochester, were low bidders on brick work, at $174,065 and $169,082. Other low bidders were as follows: Steel work, the American Structural Steel Co., Fuller Bldg., New York, at $27,518; heating, Rich & Ford, of Rochester, $8,000; plumbing, J. A. Goodnow, Utica, $7,840; electrical system, Standard Electrical Construction Co., of Rochester, at $9,990.

SYRACUSE, N. Y.—The contract for the construction of the Auburn & Syracuse Ry. Co.'s terminal in this city was awarded to D. W. NICHOLSON, who will begin work at once.

BUFFALO, N. Y.—Bids will be received by S. H. Woodruff, Arch., 908 Mutual Life Bldg., until April 30 for a brick bank building for the People's Bank.

BROOKLYN, N. Y.—Bids are asked until May 20 for submitting plans and specifications to trustees of Brooklyn Masonic Guild for a $300,000 Masonic temple which will be erected at Lafayette and Clermont Aves. All communications are to be addressed to Abel Crook, Chn. of Executive Com., 93 Nassau St., New York. The designs submitted by the competitors will be examined by the trustees of the Brooklyn Masonic Guild, as follows: Theodore A. Taylor, George Freifeld, Charles A. Tonsor, Frank W. Robbins, Robert Judson Kenworthy, John E. Sparrow, Wilmon Whilldin, Benjamin, V. W. Owens, Fred G. Lemmermann and James A. Stevens, or their successors in office, acting as a jury. Award will be made June 24.

NEW YORK, N. Y.—Bids are asked until 11 a. m., April 10 for sanitary work, heating and ventilating apparatus, additions, etc., for several schools. C. B. J. Snyder, Supt. Schools, Bd. Education.

NEW YORK, N. Y.—LUKE A. BURKE, 401 West 59th St., was awarded contract for 9-story addition, 25 × 180 ft., to New York Edison Co., 55 Duane St. Thomas E. Murray is company's architect and engineer. Cost, about $300,000.

Wm. K. Benedict, 11 East 42d St., is said to be taking bids on the general contract for 4-story brick parochial school, 100 × 75, for the Veronicas Church Corporation, 657 Washington St. It will be erected at Washington and Barrow Sts., at an estimated cost of $90,000. The Rev. Joseph Flannelly is pastor.

Plans have been filed by L. A. Goldstone, 110 West 34th St., Arch., for 15 4-story dwellings, 21 × 63 ft., at 18-41 West 85th St., for J. Carlew Construction Co., 17 West 122d St. Cost, $450,000.

CAMDEN, N. J.—Thomas Stephen, Arch., 415 Market St., is preparing plans for a theater for the Taylor Amusement Co. Est. cost, $75,000.

PITTSBURG, PA.—The contract for erecting the first group of buildings of the Carnegie Technical Schools here has been awarded to WELLS BROTHERS CO., of Chicago, New York and Baltimore, for $499,700. The New York office is at 160 Fifth Ave.

PITTSBURG, PA.—H. Dodson Gilchrist, Frick Bldg., has submitted approved plans to board of trustees of the Western Theological Seminary for new buildings for that institution. Estimated cost, $350,000.

The Commonwealth Realty & Construction Co. will erect a 14-story office building at once at 412-414 Grant St. Estimated cost, $500,000. Edward J. Schellentrager, Pittsburg, is Arch.

RETREAT, PA.—Bids are asked until April 6 for additions to the Retreat insane asylum, costing about $100,000. There are to be two new wings. McCormick & French, Wilkesbarre, Pa., Archs., have drawn the plans and specifications. Abram Nesbitt, Kingston, Pa., is President, and George H. Butler, Secretary of the poor board, Central poor district.

TYRONE, PA.—Bids are asked by the First National Bank for a 5-story bank and office building. Brick, stone and steel, fireproof, to cost about $100,000.

PHILADELPHIA, PA.—Cope & Stewardson, Archs., 320 Walnut St., have plans for a building for the University Settlement. Dr. H. C. Wood, 1925 Chestnut St., is interested.

A. H. Mershon will erect a 4-story and basement, semi-fireproof building, on Mt. Vernon and Wallace Sts. Milligan & Weber, 520 Walnut St., are Archs. FRANK S. RIGGS has contract. Cost, $200,000.

Senator Charles T. Brown, of Philadelphia, has introduced a bill providing for removal of Eastern Penitentiary from Philadelphia, and for an appropriation of $500,000 for erection of a new penitentiary.

BETHLEHEM, PA.—The Bethlehem Steel Works will erect in Bethlehem 960 2-story brick dwellings for its employees. It is reported to be the intention of the company to erect 480 this year and the remainder next year. The total cost will be about $1,500,000.

HOMESTEAD, PA.—B. J. Stenger will erect an apartment house in Homestead, to cost $100,000. It will be located at West St. and Eighth Ave.

BALTIMORE, MD.—Henry Walters, 5 West Mt. Vernon Pl., has awarded contract to the J. C. VREELAND BUILDING CO., 1133 Broadway, New York, we are informed, for the construction of an art gallery at Charles and Centre Sts. Delano & Aldrich, Archs., 9 East 41st St., New York. Building will be 3 stories high with basement, 120 × 129 ft. Cost, about $400,000.

Cramp & Co., 407 St. Paul St., were the lowest bidders, at $103,376, for the construction of municipal fish market to be located on Centre Market Space. Simonson & Pietsch, Archs., Hoen Bldg., 302 East Lexington St. On an alternate bid, substituting terra-cotta trimmings for Indiana limestone, the Charles McCaul Co., 123 West Saratoga St., was the lowest bidder at $97,851. The market is to be 2 stories high, 135 × 209 ft.; brick, with granite base and Indiana limestone. Noted in full on March 16. Foundations will be either of spread-concrete system or concrete-caisson system, and on the former, at its bid of $14,100, and on the latter, at its bid of $9,700, the Cranford Paving Co., Home Life Bldg., Washington, D. C., was the lowest bidder, it is reported.

Jacob F. Gerwig, Arch., 16 Clay St., has prepared plans for Charles H. Gerwig, 603 Fidelity Bldg., for dwelling houses to be erected on Calvert St., at cost of $75,000. Each building will be three stories high, about 18 × 65 ft.

WASHINGTON, D. C.—Metropolitan Citizens' Bank, according to reports, will let contract April 29 for the erection of seven or eight-story bank and office building, to cost $400,000.

WASHINGTON, D. C.—We are informed that the Municipal Engineering & Contracting Co., 607 Railway Exchange Bldg., Chicago, Ill., wants complete plans and specifications, without cost to them, together with bid, for erecting a booth (20 ft. square, with 12½ ft. ceilings) on Monument grounds, Washington, to house its exhibit at the American Railway Appliance Exhibition, May 3 to May 14, 1905. The price given is to include all plans and specifications and details, erection of the building, painting of same with sign across the front, wiring same for electric light and removing building and restoring grounds to previous good condition; salvage to belong to contractor. M. L. Purvin is Secy.

WASHINGTON BARRACKS, D. C.—Bids are asked, until April 8, for timbrel arch construction for Army War College. Capt. John Stephen Sewell, U. S. Engrs. (Advertised, Engineering News.)

WASHINGTON BARRACKS, D. C.—Bids are asked, until April 29, for heating apparatus for Army War College. Capt. John Stephen Sewell, U. S. Engrs. (Advertised, Engineering News.)

WASHINGTON, D. C.—Contract for construction of 19 3-story brick houses for J. N. Lee, to cost $90,000, has been let to PETER FERSINGER, 1 L St., N. W., Washington.

WASHINGTON, D. C.—Warner Miller, 100 Broadway, New York, is said to have plan under consideration for erecting a $1,000,000 office building.

Building Committee, George Truesdell, Chn., is stated to have received bids at the Riggs Bank, Washington, on March 28, for the erection of the Harriet Lane Johnston Choral school building. Estimated cost, $150,000.

CHARLOTTESVILLE, VA.—Bids are asked until April 24 for installing low-pressure steam heating apparatus in post-office here. James Knox Taylor, Supervising Arch., Treasury Dept., Washington, D. C.

MORGANTOWN, W. VA.—Contract for building new theatre and business block, to cost $100,000, has been let to WEAVER & ZEVERLY, Morgantown.

ELIZABETH CITY, N. C.—Following are three lowest bids received by James Knox Taylor, Supervising Arch., Washington, D. C., for the construction complete of the U. S. court-house and post-office at this place; Athens Contracting Co., Athens, Ga., $83,756; General Supply & Construction Co., New York, $83,490; W. E. Speir, Washington, D. C., $85,600.

CHARLESTON, S. C.—Bids are asked until April 22 for plumbing and fire-mains in joiner shop for building No. 5 Navy Yard. Mordecai T. Endicott, Ch., Bureau Yards & Docks, Washington, D. C. Specifications for this work are on file at office of Engineering News, New York.

COLUMBIA, S. C.—Bids are asked, until A... the proposed improvements to the State Capi... according to plans prepared by Chas. C. W... Alternate bids will be received on a roof of ... ported charcoal tin plate; No. 1 Bangor sl... tile; also on two skylights, 8 × 18 ft., with s... and copper flushing, wired glass, copper hoo... tilating stacks and on roof ventilators.

NASHVILLE, TENN.—Fourth National Ban... $150,000 building. Bids for the construction w... soon.

The Duncan Hotel Co. has increased capital ... $100,000 to $200,000. It is reported that two ... stories will be added to the hotel.

Plans have been submitted to the Building ... for the Methodist Publishing House, which ... erected at Ninth Ave. and Broad St., at ... $100,000.

CHATTANOOGA, TENN.—Bids are asked u... 8 for constructing, plumbing, heating and gas ... double set civilian employees' quarters and for ... and gas piping one fire apparatus station at ... thorpe, Ga. Capt. C. Nixon, Q. M., U. S. A... tised, Engineering News.)

CLEVELAND, O.—J. Milton Dyer, Arch., ... Bldg., Cleveland, will receive bids for a 1 an... church, 137 × 71 ft., for the Windemere Pre... congregation, East Cleveland, to cost about $1...

STEUBENVILLE, O.—Fred W. Elliott, Arch., ... Trade Bldg., Columbus, O., has prepared plans for a 2-story county infirmary, 160 × 200 ft., for the commissioners and infirmary directors of Jefferson County, to be built at Steubenville. Bids will be received soon. Cost, $100,000.

INDIANAPOLIS, IND.—Bids are asked by H. A. Taylor, Asst. Secy. Treasury Dept., Washington, D. C., until April 4, for installing certain electric and gas fixtures in court-house and post-office building here.

CHICAGO, ILL.—Ashbury W. Buckley, Arch., 26 Van Buren St., will take bids on a hotel to be built at 35th St. and Vincennes Ave. Six stories. Cost, about $1...

Shepley, Rutan & Coolidge, Archs., Old Colony Bldg., are said to be receiving estimates on an office building, to be erected at Monroe and La Salle Sts., for Harriet B. Borland, care Henry A. Blair, Rookery Bldg. It is to be of fireproof construction. Probable cost, $700,000.

Frank V. Newell, Arch., 78 La Salle St., is taking bids on an 18-story flat-house which will be built at Windsor St. and Hazel Ave. Cost, $85,000. C. W. Stewart, 108 Dearborn St., is owner.

Pond & Pond, Archs., Steinway Hall, have completed plans and are taking figures on the superstructure of an office building being erected on Washington St., near Dearborn St., for Chicago Telephone Co. To be six stories high, built of brick and steel, composition roof, iron and steel work. Cost, $100,000.

Joseph Cormack, 145 La Salle St., will erect a 3-story apartment house at Drexel Boulevard and 45th St. Andrew Sandegrin, First National Bank Bldg., is Arch. Cost, $125,000.

Bids will soon be received by David Robertson, 184 La Salle St., for an apartment building, to be erected at Indiana Ave. and 42d St., for Collins & Morris, 138 Washington St. Three stories high, 148 × 165 ft., of brick and stone, with composition roof. Cost, $75,000.

Bids are asked by A. L. Colcord, Arch., 110 Dearborn St., for erecting an apartment building on Indiana Ave., between 57th and 58th Sts. To be three stories high, 78 × 115 ft., built of brick and stone, with composition roof. Cost, about $60,000.

FREEPORT, ILL.—Bids are asked, we are advised, until April 7 for constructing a $35,000 addition to high school. G. W. Graham is Cy. Engr. Address Secretary of Bd. Education.

PEORIA, ILL.—Reeves & Baillie, Archs., Y. M. C. A. Bldg., are taking bids on various construction work in connection with Al Fresco Beach amusement park here.

VINTON, IA.—Benton County Commissioners at their session in April will discuss the matter of receiving bids for the proposed court-house, which will cost about $90,000. F. G. Bryner is Clk. District Court.

IOWA CITY, IA.—Bids are asked until 1 p. m., April 5 for erection of an engineering building at State University. Proudfoot & Bird, Archs., Des Moines, Ia.

DEXTER, IA.—Bids are asked until April 22 for building a brick school, 53 × 86 ft., two stories and basement. J. J. Hammond, Clk.

VINTON, IA.—Bids are asked until May 3 for erecting a 2-story and finished basement, stone court-house. Bell & Detweiler, Minneapolis, are Archs. A. H. Turner, County Auditor.

PIERRE, S. DAK.—Bids are asked by James Knox Taylor, Supervising Arch., Treasury Dept., Washington, D. C., until April 25 for installing low-pressure steam heating apparatus in court-house.

MANHATTAN, KAN.—George A. Berlinghoff, of Beatrice, Neb., is to furnish the plans for the new $50,000 court-house which is to be built at Manhattan, Kan., this summer.

ST. LOUIS, MO.—BARWICK CONSTRUCTION CO. has been let the contract to erect apartment-house for Oliver J. Barwick, 307 Wainwright Bldg. Three stories, 110 × 135 ft., heated by low-pressure steam. Cost, $90,000.

HOT SPRINGS, ARK.—Contract for erecting the Garland County court-house was let to ATKINSON BROS., Colorado Springs, Colo., for $115,000, it is reported. Geo. H. Lower is Bldg. Comr.; W. R. Parsons & Son Co., Archs., Des Moines, Ia.

LAREDO, TEX.—Bids were received March 21 for construction complete (except elevator and wiring) of post-office, court-house and custom-house, as advertised for in Engineering News. Lowest bidder was the General Supply & Construction Co., 24 State St., New York, at $80,795. Kroeger & Rheiner, San Antonio, Tex., bid $89,686.

SHERMAN, TEX.—The F. L. Stephenson Contract Co., Dallas, Tex., was lowest bidder, at $80,390, for building court-house here. The General Supply & Construction Co., New York, submitted $83,813 bid.

SPOKANE, WASH.—Plans for the new Sacred Heart Hospital, prepared by H. J. Williams, call for expenditure of $300,000 for the building, which is to be three stories and basement. Basement will contain hot water heating plant. John Heutter has contract for foundation.

TILLAMOOK, ORE.—Bids are asked until 2 p. m., April 10, for erecting an artificial stone or brick court-house. Charles Burggraf, Albany, Ore., is Arch. G. B. Lamb, Clk.

BERKELEY, CAL.—John Galen Howard, Arch., Italian Bank Bldg., is preparing specifications for the materials required in the construction of the new library building at the University of California. The building will be constructed of steel and granite and will be four stories

high, ... x 265 ft. The specifications call for California granite. About 1,000 tons of structural steel will be required. Within six months specifications will be out for several other University buildings. An appropriation of $150,000 was passed by the Legislature recently for an Agricultural building.

OAKLAND, CAL.—Sutton & Weeks, 510 Montgomery St., San Francisco, are architects for two 2-story and basement steel and brick schools, for which 415 tons of steel will be required. A proportionate amount of steel will be required for four other schools. The architects for these are: Stone & Smith, 927 Market St., San Francisco, two buildings; Bliss & Faville, Crocker Bldg., San Francisco, one; and Soderberg & Dickie, Oakland, Cal., one.

BOISE, IDAHO.—John Crocker, Mgr. of the Kimberly Hotel Co., has let contract for erection and completion of the Hotel Kimberly to JOE DIETRICH, of Salt Lake City, Utah. Cost will be about $75,000.

RENO, NEV.—Bids are asked until April 8, 10 a. m., by Regents for construction of a brick and stone building on grounds of Nevada State University. Geo. H. Taylor, Secy.

TONOPAH, NEV.—Bids are asked until April 3 for erecting county court-house and jail. C. G. Bevis, County Clk.

MONTREAL, QUE.—The directors of the Windsor Hotel have decided upon the erection of a new hotel on the site of the Windsor Hall. The building will be 60 x 235 ft., eight stories high, fireproof, cement floors and ceilings. Cost about $1,500,000.

VANCOUVER, B. C.—A. E. & ROY BARRET, Seattle, Wash., have been awarded contract for the erection of a hotel for the Canadian Pacific Ry. Co., at about $500,000.

WATER SUPPLY AND IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

AUGUSTA, ME.—Time for receiving bids for laying about 8½ miles of cast iron pipe for the Augusta Water District has been changed from April 7 to April 17, as is noted in our advertising columns. W. B. Getchell, Engr.

BIDDEFORD, ME.—Biddeford & Saco Water Co., according to reports, is to build an extension from Old Orchard to Pine Point, to connect with present system at former place.

HOLYOKE, MASS.—We are informed that projected 6,400 ft. extension of 12-in. main from Ashley Ponds to Almshouse will be done by city by day labor. Bids for pipes were to be opened March 27. James L. Tighe, Engr. W.-W.

HOLDEN, MASS.—Contract for laying six miles of pipe for this town (bids received March 20) has been let to NICHOLS & MAGEE CONSTRUCTION CO., Taunton, Mass., for $11,021.

SPRINGFIELD, MASS.—Water Commissioners awarded a contract March 21 for furnishing 6-in. and 8-in. pipe to CHARLES MILLER & SON CO., Utica, N. Y., for about $5,000.

BRISTOL, CONN.—Bristol Water Co., Bristol, will receive bids until April 1, at 12 o'clock noon, for laying about two miles of 14, 12 and 10-in. pipe and for building an earth and masonry dam at Gridley Pond, Harwinton, for a reservoir of 160,000,000 gallons capacity. Plans and specifications may be seen at the office of the company in Bristol, Charles L. Wooding, Gen. Mgt., or at the office of Freeman C. Coffin, Engr., 53 State St., Boston, Mass.

ALBANY, N. Y.—Commissioner Bissell, Dept. Pub. Wks., is formulating plans for addition to filtration plant and improvement of water supply. A legislative bill authorizing expenditure of $400,000 for these improvements has been accepted by city. Work includes construction of four additional filters, construction of new intake, new 10,000,000 gallon pumping engine, etc. We are informed that bids will probably be asked at an early date.

NEW YORK, N. Y.—Bids are asked by John T. Oakley, Comr., Water Supply, Gas and Electricity, 13 Park Row, until April 12, for furnishing and delivering corporation cocks; also for 800 double nozzle hydrants and 200 extra long double nozzle hydrants.

PLATTSBURG, N. Y.—We are informed that only preliminary survey and estimate have been made for proposed $45,000 extension of city water-works. Nothing more can be done until vote on question is taken. M. O. Kasson, Sandy Hill, N. Y., is Des. Engr.; W. J. McCaffrey, Mayor.

CONNELLSVILLE, PA.—Bids are asked until April 15 by Riverside Water Co. for constructing water-works to cost $30,000. T. J. Mitchell, Connellsville, is Pres.

OXFORD, PA.—We are informed that York Engineering Co., H. H. Lindemuth, Gen. Mgr., York, Pa., has been appointed engineers to look after the installation of the water-works plant for this borough, such as making plans and specifications and looking after the selection of proper material. The contract will be probably advertised about April 15th or 20th, and bids will be opened about May 1st. The desire of the Borough Water Committee is to have the plant finished by Aug. 1st.

SAYRE, PA.—Lehigh R. R. is planning, it is stated, to erect $35,000 reservoir to supply local shops and railroad yards. Bids have already been taken for the work, but it is reported that they were too high and that new ones will be received. E. H. Shipman, Asst. Engr., Lehigh R. R., Sayre, is reported in charge.

ROANOKE, VA.—Roanoke Gas & Water Co., H. Barkham, Mgr., proposes, it is stated, to expend about $30,000 for new machinery.

RICHMOND, VA.—Bids are asked, until April 4, by C. E. Bolling, Supt., W.-W., for gate valves, cast-iron pipe, special castings, double-nozzle fire hydrants, valve boxes, pig-lead, wiping solder, brasswork, water meters, cutting and refilling pipe trenches, etc.

GRAHAM, N. C.—Bids are asked by Henry A. Pressey, Engr., 1416 F St., Washington, D. C., until April 12 for construction of water-works and electric lighting plant at this place. (Advertised, Engineering News.) Plans and specifications may be seen at office of Engineering News, 220 Broadway, New York.

SPENCER, N. C.—A private water company is to construct works here. Henry A. Pressey, 1416 F St., Washington, D. C., is Engr.

WILSON, N. C.—This town desires the services of hydraulic and electric engineering expert. Doane Herring, Mayor. This item was printed in our last week's issue with the name of town incorrectly given as Wilton.

JACKSONVILLE, FLA.—Board of Bond Trustees is stated to have awarded contract for sinking 10-in. artesian well to SEYMOUR PUMP & WELL CO., Richmond, Va., for $4.35 per ft. Bids for this work were opened Feb. 6 and contract awarded at that time, but contractor did not sign contract.

FERNANDINA, FLA.—Bids are asked by C. V. Hillyer, Cy. Clk., until April 15 for furnishing all necessary tools, casing, etc., and furnishing an artesian well with the exception of T cap and valve to be placed on top of casing, which will be furnished by city.

LINEVILLE, ALA.—John S. Jemison, according to reports, will establish water-works here.

BOYCE, LA.—We are informed that contract for constructing water-works here (bids received March 20) has been let to A. B. SANDERS, Shreveport, La., for $16,354. Work requires station building, two 30-HP. boilers, two boiler feed pumps, two duplex pumps, 50,000 gallon water tank and tower, concrete reservoir, air lift plant, 1,500 ft. 8-in. and 6,220 ft. 6-in. cast iron main, seven 8-in. and ten 6-in. valves and 20 hydrants.

NASHVILLE, TENN.—Contract for construction 100 ft. long, 60 ft. wide and 10 ft. deep, concrete reservoir for National Fertilizer Co., has been let to ADAMENT STONE CO., Nashville.

NEWPORT, KY.—We are informed that a 20-in. main for emergency use may be laid to connect Covington and Newport. About 7,000 ft. of pipe is contemplated. W. L. Glazier is Supt. W.-W.

ELYRIA, O.—Bids are asked by Board Public Service, until April 11, for horizontal cross compound crank and flywheel high duty pumping engine of 5,000,000 gallons daily capacity.

PORTSMOUTH, O.—Bids are asked by Board Public Service, Chas. C. Bauer, Clk., until April 7 for furnishing not more than 8,000 ft. and not less than 5,000 ft. 6-in. cast iron water pipe and necessary fittings. Bids are also asked for furnishing 24 three-way standard fire plugs.

CINCINNATI, O.—U. S. Cast Iron Pipe & Foundry Co. was only bidder March 17 for furnishing city withh 12,278 tons pipe, castings, sockets, flanges and spigots, its bid totaling $413,568.

LORAIN, O.—Contract for installing settling basins for new filter plant at this place is stated to have been let to CAREY CONSTRUCTION CO., Cleveland, O., for $12,000.

GENEVA, O.—Bids are asked by Clerk, Board Trustees Public Affairs, until April 4 for construction of water line extensions.

INDIANAPOLIS, IND.—Indianapolis Water Co., according to reports, is to spend about $300,000 this year in improvements. Among these will be laying of 36-in. main in Indiana Ave., to cost $100,000 and covering of filter beds, to cost $100,000.

CHICAGO, ILL.—Bids are asked by Department Public Works, F. W. Blocki, Comr., until April 7 for four internally fired horizontal return tubular boilers, fitted with stokers, for Harrison St. pumping station.

GREENBAY, WIS.—Greenbay Water Co., J. H. Verdheyden, Supt., is reported to contemplate erection of water-works plant here.

SPOONER, WIS.—Bids are asked by this village up to 8 p. m., March 30, for water-works, consisting approximately of concrete dam, turbine and shafting, pump, 4,000 ft. 8-in. pipe, and seven hydrants. Plans and specifications are on file in the office of Oscar Claussen, Engr., Nat. Ger. Am. Bank Bldg., St. Paul, Minn., and Village Clerk, Spooner, Wis.

DE PERE, WIS.—Bids will be received about May 1 for improvements to the water-works plant, consisting of cast-iron pipe, two steel towers and tanks, two concrete reservoirs, 50-HP. suction gas producer and engine, 500-gallon triplex pump and power houses. Work will be advertised later. Correspondence should be addressed to W. G. Kirchoffer, Engr., Madison, Wis.

IOWA FALLS, IA.—Contract for improvement of village water system (bids received March 6) is stated to have been let to FREMONT TURNER, Des Moines, Ia., for about $8,000. We are informed that the following will be required: 50-HP. automatic high speed engine, two power pumps for drilled wells, two 54 in. x 14 ft. tubular boilers, feed water heater, boiler feed pump, pipe fittings and valves for same.

HUMBOLDT, KAN.—Bids are asked by Fred Speakman, Cy. Clk., until April 12 for furnishing material and constructing a system of water-works, comprising approximately five miles of distribution system, with the necessary hydrants, valves, etc.; also power house, power plant, pumping machinery, etc.; also separate bids for water tower. Burns & McDonnel, Engrs., Dwight Bldg., Kansas City, Mo.

OSBORNE, KAN.—Contract for steel tank on 100 ft. steel tower for this place has been let to KENWOOD BRIDGE CO., Chicago, Ill., for $4,442.

WAVERLY, KAN.—Bids are asked by Water Committee of this city, at 509 Dwight Bldg., Kansas City, Mo., until April 3, for furnishing f. o. b. cars Waverly, cast iron pipe, hydrants, valves, pump and other water-works material. J. C. Fear, Mayor; W. H. Williams, Cy. Clk.; Burns & McDonnell, Engrs., 509 Dwight Bldg., Kansas City, Mo.

OMAHA, NEB.—Contract for overhauling water system at Fort Omaha is stated to have been let to J. J. HANIGHAN, Omaha.

NEW CASTLE, NEB.—We are informed that contract for constructing water-works for this place was awarded March 22 to M. M. SENCENBOUGH, Newcastle, for $7,429. Work includes 3,100 ft. 6-in. main, small reservoir, 15-HP. engine, deep well pump, hose cart, 500 ft. hose and nine fire hydrants.

HAVRE, MONT.—We are informed that plans will not be fully matured for new city water-works until May 1. Supply is to be pumped from wells; est. cost of works is $45,000. C. W. Swearingen, Acting City Engr., is preparing plans, etc.

TRENTON, MO.—Chicago, Rock Island & Pacific Ry. has obtained right of way for pipe line to supply its shops here. Plant will cost about $20,000. W. A. Van Frank, Trenton, is Asst. Engr.

DENTON, TEX.—Mayor W. L. McCormick writes us that no estimate of cost has been made as yet for the new city water-works. Designing engineer has not been selected.

MEEKER, COLO.—Bids were received March 20 for constructing water-works for this place. We are informed that P. P. Ford, 526 Cooper Bldg., Denver, Colo., submitted the following bid for system complete as per specifications: $45,000 for wood pipe throughout, or $51,000 for wood pipe on main line and cast-iron pipe in town at option of town. W. H. Clark is Town Engr.

PORT TOWNSEND, WASH.—Bids were opened March 13 by Major George H. Penrose, Q. M., for constructing water-works at Fort Flagler, two lowest bidders being Jacobsen-Bade Co., Portland, Ore., $6,150 and McInnes & Cotton, $6,378.

PORTLAND, ORE.—D. D. Clark, Engr., Water Bd., writes us that bids are asked by Water Board, Frank T. Dodge, Supt., until April 12, for furnishing cast-iron pipe and specials, f. o. b. Portland, as follows: 30 tons 4-in., 547 tons 6-in., 276 tons 8-in., 190 tons 10-in., 243 tons 12-in., 406 tons 14-in., 320 tons 16-in pipe and 120,000 lbs. special castings.

TILLAMOOK, ORE.—We are informed that contract for constructing water-works for this place has been let to WAKEFIELD & JACOBSON, Portland, Ore., for $42,750. Bids for the work were to have been opened Feb. 25, but letting was postponed until March 15. Contract involves furnishing and laying four miles 10-in. Matheson pipe and 1.8 miles 10-in. wood pipe.

VALLEJO, CAL.—We are informed that specifications will be completed about April 1 and bids will be opened probably in May for projected 7½ miles extension of city water system. About 2,000 tons 14-in. cast iron pipe will be required, and estimated cost of this and laying it is $100,500. L. Kaarsberg is Cy. Engr. (Mentioned March 16.)

SANTA ANA, CAL.—Contract for furnishing boiler and pumping engine for city water-works has been let to RISDON IRON WORKS, San Francisco, Cal., for $13,415.

SAN JOSE, CAL.—Bids are reported asked by Clerk, County Supervisors, until April 3, for pumping plant on Tully Road.

SALT LAKE CITY, UTAH.—Bids are asked by Board Public Works, E. A. Wall, Chn., until April 10 for the work of laying all water mains that may be ordered by the City Council from March 1 to Nov. 30, 1905. The approximate quantities of work to be done are as follows: Excavating and backfilling, 5,000 cu. yds. Cast iron pipe: 6-in., 12,000 lin. ft.; 8-in., 800 lin. ft. George W. Riter, Cy. Engr.

MONTREAL, QUE.—Council Water Committee is stated to have recommended that contract for new 12,000,000 gallon pumping engine for low level pumping station be awarded to Hathorn, Davey & Co., Ltd., Leeds, England, for $53,497.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

CARIBOU, ME.—The Caribou Sewer Co. has been incorporated, with a capital of $50,000, to provide a sewer system. J. P. Donworth is Treas.

LOWELL, MASS.—Council has been petitioned to install a system of sewers in the Oaklands. It would cost about $200,000.

EASTHAMPTON, MASS.—Town may establish sewer filtration beds and discontinue emptying sewage into Manhan River, as requested by State Board of Health. Dr. J. H. Sawyer is interested. Estimated cost, $30,000 for filter beds, and about $30,000 for extending sewer system.

GARDNER, MASS.—Town has appropriated $15,000 for construction and extension of sewer system. Address C. W. Conant.

NEW HAVEN, CONN.—City Engineer Kelly has recommended that the State St. sewer overflow be built this summer. Approximate cost, $40,000. Other sewer work is planned.

NEW YORK, N. Y.—P. J. HANNAN, 10 Arthur St., Williamsbridge, has been awarded contract for sewers in Locust St. and other streets in Bronxwood Park, at $5,683. For constructing sewers in Jennings St., FRANK DEL BALSO, 1481 Hoe Ave., at $12,180; sewer in 162d St., BELLEW-MERRITT CO., Tuckahoe, N. Y., at $3,363; in Tiffany St., THOMAS GROGAN, 337 Alexander Ave., at $1,791. Other contracts were awarded for sewers to WILTON CONSTRUCTION CO., 115 Elliot Ave., at $3,261, and THOMAS GROGAN, at $9,183.

NEW YORK, N. Y.—Bids are asked until April 5, 3 p. m., for building sewers in West 68th St and Broadway, between Park Pl. and Barclay St. John F. Ahearn, Boro. Pres.

BROOKLYN, N. Y.—Borough President Martin W. Littleton has forwarded to the Board of Estimate a resolution passed by the local boards of improvement of the Bushwick and Flatbush districts, which provides for the sewering of Rugby, Flatlands and a large part of Brownsville. It is proposed to build main trunk sewers through many miles of streets. The cost of construction is estimated at $910,000.

HUNTINGTON (L. I.), N. Y.—The Citizens' League is interested in project to install septic tank and contact bed system here. Estimated cost, $45,000.

ASBURY PARK, N. J.—Estimated cost of construction of the sewage disposal plant is $35,000 to $40,000. The matter of issuing the bonds is to be submitted to a vote. It is said that it is probable that nothing will be done this year except the laying of 4,000 ft. of 18-in. intercepting sewer and 1,000 to 1,200 ft. of discharge pipe, the latter extending that far into the ocean. F. Herbert Snow is Engr., 1120 Tremont Bldg., Boston, Mass.; John L. Coffin is Supt. Dept. Sewers.

BELMAR, N. J.—Eighth Ave. sewer contract was awarded to THOMAS PROCTOR, of Long Branch, at $3,900.

NEW BRITAIN, CONN.—New sewers probably will be built this season at total cost of $50,000.

HEMPSTEAD (L. I.), N. Y.—The Town Highway Commissioners have granted the Nassau Sewerage Co. a franchise for 99 years, subject to approval of the Supervisors, to lay pipes on town roads leading to Roosevelt and Freeport to and through Baldwin, Ocean Side and Lynbrook, to Rockville Centre and East Rockaway.

LONG ISLAND CITY (L. I.), N. Y.—Bids are asked until April 3 by Joseph Cassidy, Pres. Boro. Queens, for furnishing 2,200 ft. of 15, 18, 24 and 30-in. vitrified pipe sewer to Bureau of Sewers.

TROY, N. Y.—Public Works Committee recommends that a sewer be built in Spring St.

HADDONFIELD, N. J.—Sewers will be constructed in annexed district in several streets. W. W. White, of White Plains, N. Y., is making the preliminary survey. Allen Clymer is Boro. Clk.

JERSEY CITY, N. J.—The Wood Utilization Sewerage Company has been incorporated. It proposes to treat sewage and refuse of all kinds in order to utilize it for useful purposes, and to purify water, etc. Office, 15 Exchange Pl. Capital stock $500,000. Incorporators, Henry A. Bingham, Cornelius A. Cole, James H. Griffin, Jr.

SCRANTON, PA.—Section A of the 18th Sewer District sewer will cost $134,260, it is reported. This work is under consideration.

HARRISBURG, PA.—Bids are asked until April 5, we are informed, for building Penn Ave. sewer. J. Austin Brandt is Comr. Highway Dept.

DARLINGTON, S. C.—Bonds have been sold for construction of sewer system here. J. L. Ludlow, C. E., Winston-Salem, N. C., will prepare plans and supervise work, we are advised.

SPENCER, N. C.—This town will soon begin construction of a sewer system. Henry A. Pressey, 1416 F St., Washington, D. C., is Engr. Street improvements are also planned. A private water company will construct a water-works system.

ATLANTA, GA.—The sewer committee, Alderman E. C. Peters, Chn., has awarded contracts for material and labor for the lateral sewers, as follows: SCIPLE SONS, contract for pipe; V. H. KRIEGSHABER, cement, and J. M. MORRIS & CO., contract for laying the sewers.

TALLADEGA, ALA.—THE MICHAEL SUPPLY CO., of this city, has been awarded contract for Stonington sewer system, at $3,400.

CORINTH, MISS.—Kirkpatrick & Johnson, Engrs., Jackson, Miss., have been engaged to design new sewer system. It will be about seven miles long.

HOLLY SPRINGS, MISS.—We are informed that contracts for new system of sewers, with disposal works, have been awarded as follows: General construction, GUILD & CO., Chattanooga, Tenn.; sewer pipe, MONTAGUE & CO., Chattanooga; steel trestle, NASHVILLE BRIDGE CO., Nashville, Tenn. Kirkpatrick & Johnson, Jackson, Miss., are Engrs.

NEW ORLEANS, LA.—Congress passed appropriations for the New Orleans Naval Station, as follows, for improvements during fiscal year ending June 30, 1906: For improvement of water front, $50,000; levee improvements and grading, $10,000; paving, $10,000; sewerage system extension, $5,000; water system extension, $5,000; fire protection system, $10,000; four officers' quarters, $34,000.

LEXINGTON, KY.—Bids are asked until May 1 for constructing an 8-in. sanitary sewer. Thomas A. Combs, Mayor.

TOLEDO, O.—Bids are asked until April 3 for building several sewers. Harry S. Jones, Secy. Bd. Public Service. Bids are also asked until April 10 for building several sewers.

ALLIANCE, O.—Bids are asked until April 6, noon, for constructing the Summit St. storm sewer. C. C. Baker, Pres. Bd. Public Service.

Ott Bros., of Pittsburg, were lowest bidders, at $4,269, for constructing the Hester Ave. sewer.

DELTA, O.—The Riggs & Sherman Co., 613 The Nasby, Toledo, are preparing plans for sewers for this place.

CHICAGO JUNCTION, O.—The Riggs & Sherman Co., 613 The Nasby, Toledo, O., are preparing plans for a number of sewers at Chicago Junction.

CINCINNATI, O.—Bids are asked until March 31 by the Board Public Service for furnishing material and constructing sewers and drains in portions of Providence and Oliver Sts. Geo. F. Holmes, Clk.

CLEVELAND, O.—Bids will be received until April 6 for $2,751,000 of municipal bonds, to be used for sewer improvements, etc.

HARLAN, IA.—The question of constructing a sewer system, to cost about $9,000, is under consideration.

CAMBRIDGE, O.—Bids are asked until April 17 for $5,000 of sewer bonds. T. R. Deselm is City Auditor.

ASHTABULA, O.—The city council has authorized the appropriation of funds for street improvements, as follows: Fisk St.—paving, grading and sewering, $18,000; King St.—paving and sewering, $10,000; Fassett Ave.—paving, $1,050. F. W. Wagner is Cy. Auditor.

SPRINGFIELD, O.—W. H. Sieverling, Engr., has submitted report to council of cost of building Yellow Springs St. sewer. It is estimated at $8,336.

ALBION, IND.—AMOS TRAINER, of Huntington, Ind., was awarded contract for several sewers, at $2,611. Charles D. Boggess, Cy. Engr.

FRANKLIN, IND.—Alf. E. Phillips, Consult. Engr., Armour Institute, Chicago, Ill., has prepared plans for the construction of a vitrified pipe sewer system for Franklin, to cost $20,000. Arthur R. Owens, is Cy. Clk.; Otis B. Sellars is Cy Engr. Bids will be received about April 15.

INDIANAPOLIS, IND.—The Board of Public Works has taken final action on the resolution to build a main sewer in Senate Ave. and adjoining streets from Fall Creek to 38th St. It will drain a large area and will cost about $125,000, according to the estimate of the city engineer.

CUMBERLAND, IND.—Village of Cumberland has filed a petition with the county commissioners asking that a sewer system be built.

SCOTTVILLE, MICH.—Bids are asked by William Freedy, Village Clk., until April 10 for the construction of a 2,500 ft., 15-in. sewer. Bids will be received for furnishing material and also for furnishing and completing work.

MENOMINEE, MICH.—We are informed that bids will be received until April 10 for building about 6,000 ft. of 8, 10 and 12-in. sewers. Albert Hass is Cy. Engr.

LAGRANGE, ILL.—W. B. Ewing, Engr., 1003 Chamber of Commerce Bldg., Chicago, Ill., is preparing plans for 5,000 ft. of 12-in. sewer for Lagrange. The plans will be inspected by the board of local improvements and passed upon on April 18.

EAST SAINT LOUIS, ILL.—Plans are being prepared for the improvement of Second St., St. Clair and Cleveland Aves. These streets will be paved and sewers installed. Contracts will be let soon, we are informed. W. J. Crocken is Cy. Engr., Geo. H. Meck is Asst. Cy. Engr.

DES MOINES, IA.—Bids are asked by N. B. Vertrees, Cy. Clk., until 9 a. m., March 31, for sewer and drain pipe for the fiscal year, beginning April 1, 1905.

ST. PAUL, MINN.—F. K. KIRKLAND was awarded contract for building four sewers, at $15,200. A. A. SCHREITER was awarded contract for Carroll St. sewer.

EMPORIA, KAN.—ALVA SMITH, of Peoria, Ill., has contract for building a sewer.

BREMERTON, WASH.—Appropriation bill for fiscal year ending June 30, 1906, carries $5,000, for sewer extensions for the Puget Sound Navy Yard.

BELLINGHAM, WASH.—City Council has passed resolution providing for construction of a trunk line sewer along James St., with diverging lines, and also for construction of a septic tank. Estimated cost of sewer, about $6,000. Tank will be built of brick and will cost about $2,000 or $2,500.

NORTH YAKIMA, WASH.—Ernest McCullach, Cy. Engr., writes us that the injunction restraining the city from disposing of the sewer bonds, authorized by the election of Feb. 7, was sustained by a decision on March 16 by Judge Rigg on account of irregularity of election. The contract for sewers advertised to be let March 20 was not awarded, all bids being returned unopened. Proceedings will be renewed at once and city may let contract in time to commence work about Sept. 1.

SAN FRANCISCO, CAL.—Bids will be received May 1 by the Board Supervisors for $423,000 sewer and $427,000 school bonds.

REDDING, CAL.—A proposition to bond the city for $125,000 for the purpose of building a sewer system and improving streets and roadways leading to the city, is considered. An election probably will be held.

REGINA, N. W. T.—Bids are asked until 4 p. m., April 10 for constructing a sewer system. John Galt, Toronto, Ont., is Ch. Engr. J. K. Hunter, Secy.

RENFREW, ONT.—Bids are asked until April 10 for 7,500 ft. of 6-in. and 8-in. sewer tile and 220 6-in. and 8-in. single junctions. J. K. Rochester, Town Clk.

GARBAGE DISPOSAL—STREET CLEANING

The names of parties awarded contracts are printed in capital letters.

BAR HARBOR, ME.—Contract for disposal of garbage of town for term of five years has been let to FRANK SPRATT. He will erect furnace, it is stated.

LOWELL, MASS.—Board of Health is reported to have voted to purchase Decarie cremator for $10,000.

YONKERS, N. Y.—Bids are asked by Board of Health, James J. Hanrahan, Secy., until April 4, for removal and disposal of dead animals for period of one year.

CHESTER, PA.—Bids are asked by M. S. Hatton, Chn. St. Com., until April 3 for removal and disposal of slop and garbage during fiscal year 1905.

ROANOKE, VA.—Mayor Joel H. Cutchin is trying to get council to take up question of garbage disposal.

ROCK ISLAND, ILL.—Alderman Chas. Oberg is reported to be advocating cremation of city garbage.

TOPEKA, KAN.—City may vote April 4 on issuance of $15,000 of bonds for garbage crematory.

KANSAS CITY, KAN.—George McClelland and Wm. Gamble have asked council for 20-year franchise for removal of garbage.

LOS ANGELES, CAL.—Bids were opened March 14 by H. J. Leland, Cy. Clk., for constructing garbage crematory, the Decarie Mfg. Co., Minneapolis, Minn., offering to do the work for $70,864. Six other communications were received. Matter was referred to Board of Public Works.

NEVADA CITY, CAL.—Board of Health is looking into the matter of providing a furnace in which to burn garbage.

SACRAMENTO, CAL.—City Trustees have postponed matter of garbage crematory until April 3.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

MANCHESTER, MASS.—A. S. Jewett, Twn. Clk., informs us that Beach St. will be macadamized by the town. Cost, about $9,000.

BROOKFIELD, MASS.—It is stated that the contract for building section of state road has been let to JOHN S. LANE & CO., of Westfield. Work will commence in April.

MARBLEHEAD, MASS.—This town will build an extension to Cliff St., from plans by Guy W. Ricker, C. E., 251 Essex St., Salem, Mass.

BOSTON, MASS.—Bids are asked by Metropolitan Park Commission, 14 Beacon St., Boston, until April 3, 12 o'clock noon, for grading, surfacing and other work at Revere Beach Parkway. John R. Rablin, Engr.

HARVARD, MASS.—Contract for constructing section of highway here was awarded to FERRANTY & MAGUIRE CO. for $6,603. Bids were opened March 22.

BOZRAH, CONN.—Bids are asked by Board of Selectmen until April 5, 2 p. m., for grading and construction of section of road in this town. John H. Miner, Chn.

FISHKILL, N. Y.—Bids are asked by Garret D. Brinckekhoff, Comr. Highways, care of Town Clerk, until April 1, 12 o'clock noon, for constructing roads.

NEW BRIGHTON, N. Y.—Bids are asked by Geo. Cromwell, Pres. Boro. Richmond, until April 11 for repaving with asphalt block on various streets.

BINGHAMTON, N. Y.—Common Council has awarded the contract for pavement repairs to TOLEDO (O.) CONSTRUCTION CO. Work will begin May 1.

AMSTERDAM, N. Y.—Bids are asked until April 4 for about 6,600 sq. yds. fire clay paving blocks on concrete foundation on Market St. and Bridge St. F. E. Crane, Cy. Engr. (Advertised, Engineering News.)

WHITE PLAINS, N. Y.—Bids are asked by Village Trustees until April 3 for grading, curbing, flagging and constructing Telford gutters on Kensico Ave. J. Henry Carpenter, Vil. Engr., Central Bank Bldg.

BUFFALO, N. Y.—Bids are asked by Department Public Works until April 4 for paving on portions of several streets. Francis G. Ward, Comr.

FORT SCHUYLER, N. Y.—Bids are asked until April 10 for rebuilding roadway at this post. Lieut. H. S. Miller, Q. M.

NEW YORK, N. Y.—The Continental Asphalt Paving Co., 32 Broadway, was the lowest bidder, at $12,334, for paving with asphalt on a portion of East 183d St., and J. B. Malatesta, 3172 Jerome Ave., was lowest bidder, at $11,924, for regulating and grading, curbing, etc., on a portion of East 206th St.

SYRACUSE, N. Y.—Bids are asked by Board of Contract and Supply until April 3, 1.30 p. m., for paving on Wood Ave., about 3,000 sq. yds., with asphalt or vitrified brick. Geo. J. Metz, Cy. Clk.; Frank J. Schnauber, Cy. Engr.

WELLSVILLE, N. Y.—F. M. Leonard, Vil. Clk., writes us that about 2,500 lin. ft. of brick pavements will be laid during the coming summer.

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Pres. Boro. of Brooklyn, until April 12 for paving, curbing and laying sidewalks on a number of streets.

LONG ISLAND CITY, N. Y.—Bids are asked by Jos. Cassidy, Pres. Boro. of Queens, until April 3 for paving with asphalt, grading and curbing on portion of Fulton St.

GETTYSBURG, PA.—Bids are asked by Gettysburg National Park Commission until April 20 for grading and piking avenue on battlefield of Gettysburg, 1,794 ft. x 16 ft. John P. Nicholson, Chn.

HARRISBURG, PA.—We are informed that bids are being received by Highway Department, J. Austin Brandt, Comr., until April 1, noon, for paving and curbing on Maclay, Haehnlen Ave. and Front St. M. B. Cowden, Cy. Engr.

CHESTER, PA.—Bids are asked by M. S. Hatton, Chn. Street Com., until April 3, 10 a. m., for grading of 24th St. Specifications may be seen at office of City Engineer. Bids will be received at same time by S. B. Pennington, Chn. Com. on Sidewalks, for curbing and paving of city pavements.

FORT MYERS, VA.—Bids are asked by Lieut. Wm. P. Nones, Const. Q. M., U. S. A., until April 1 for constructing roads and concrete walks in vicinity of Post Hospital.

ATLANTA, GA.—WALSH & McALPIN, of Atlanta, have secured the contract for curbing and [illegible] in Atlanta for this year.

MOBILE, ALA.—We are informed that it is proposed to make Davis Ave. partly a graveled street, bids to be asked for 25,000 yds. of gravel and 50,000 ft. of lumber being required. J. N. Hazlehurst, Engr.

NEW ORLEANS, LA.—Bids are asked by [illegible] R. Kennedy, Comptroller, until April 3, 1 p. m., for paving with asphalt Baronne St. W. J. Hardee, Cy. Engr.

COOKEVILLE, TENN.—O. Holladay, Cy. Rec., writes us that bids for paving on certain streets will be received about April 15.

MEMPHIS, TENN.—The House has passed a bill to authorize this county (Shelby) to issue $100,000 additional improvement bonds.

CAMBRIDGE, O.—Board Public Service, Chas. Blair, Clk., has awarded contract for brick paving on [illegible] 7th St. (bids received March 14) to KELLEY BROS. Portsmouth, O., for $8,681. Contract for brick was awarded to SOUTH ZANESVILLE SEWER PIPE & BRICK CO., Zanesville, O.

CINCINNATI, O.—Bids are asked by Board Public Service until April 10 for improving a portion of Race 12th St. by grading, curbing and paving with asphalt.

Bids will be received at the same place until April 17 for paving on Race St. with asphalt.

CINCINNATI, O.—Bids are asked by Board Public Service until April 14 for improvement of Vine St. by grading, setting granite curbs and crossings and paving roadway with granite blocks. Geo. F. Holmes, Clk.

ELYRIA, O.—Contract for asphalt paving on Washington Ave. was let to WARREN BROS., Boston, Mass., for $22,775. Scott Hinman, Clk. Bd. Pub. Serv.

RICHMOND, O.—Council has passed ordinance for paving Court St. Work will be done this summer.

EAST CLEVELAND, O.—Bids are asked by H. B. Chapman, Vil. Clk., until April 15 for furnishing labor and material for paving a number of streets with brick.

UHRICHSVILLE, O.—Bids are asked until April 10 for paving West Third St. with firebrick. Est. cost, $18,580. H. O. Snyder, Cy. Clk.

BRYAN, O.—Riggs & Sherman Co., Engrs., 613 The Nasby, Toledo, O., are preparing plans for paving in Bryan.

PERRYSBURG, O.—Bids are asked by T. M. Franey, Vil. Clk., until April 17 for grading, draining, curbing and macadamizing Front St.

BLUFFTON, IND.—Contracts for construction of two new gravel roads in Harrison Township were let March 17. McCurdy road, a mile in length, was awarded to GORDON & GARRETT for $1,445, and Smith road, 3½ miles long, to NEFF & ADDINGTON for $5,739.

EVANSVILLE, IND.—Bids are asked by Board Public Works until May 1 for paving of a number of streets in this city. C. A. Winderlick, Pres.

JASONVILLE, IND.—The contract was let March 18 to CHAS. DAVIS, of Jasonville, for graveling 13 miles of roads leading out of this place. The contract was awarded for $35,775. The contract for Stockton Township was let to THOMAS SLINKARD, of Lyons, for $6,565. The contract for Highland Township was given to only bidder, S. F. HAYES, of Beehunter, for $13,125.

SOUTH BEND, IND.—The Board Public Works has awarded the following paving contracts: Hill, East Monroe and Robertson Sts., C. H. DEFREES; Scott St., HOBAN & ROACH; Laurel St., HARRY BARNES; Studebaker St., JAMES NELSON. A. J. Hammond is Cy. Engr.

WYANDOTTE, MICH.—Riggs & Sherman Co., Engrs., Toledo, O., are preparing plans for paving at Wyandotte.

JOLIET, ILL.—This city will advertise for bids about April 20 for asphalt paving on Richard St. H. A. Stevens is Cy. Engr.

CHICAGO, ILL.—The Board Local Improvements has ordered the building of street pavements to the amount of $630,500, the work to begin within the next few weeks, as soon as contracts are awarded. Andrew M. Lynch is Pres.

DANVILLE, ILL.—Bids are asked by Board Local Improvements until April 6, 7 p. m., for curbing and paving on Collett St. Plans and specifications may be seen at office of City Engineer.

ROCK ISLAND, ILL.—Plans for macadamizing three streets have been approved by Board Local Improvements.

BELLEVILLE, ILL.—We are informed that plans are being prepared by Henry F. Merker, Cy. Engr., for paving of North Illinois St., about 12,000 sq. yds. brick paving and about 4,000 ft. of curb.

WATERTOWN, WIS.—We are informed that the contract for macadamizing roadway, curbing and grading, was awarded to ELZY & DUNN, of Marshalltown, Ia., March 14. Frank S. Weber, Cy. Clk.

JANESVILLE, WIS.—C. V. Kerch, Cy. Engr., informs us that bids will be received until April 14 for paving with brick on West Milwaukee, East Milwaukee and South Main Sts., in all about 10,409 sq. yds.

DES MOINES, IA.—Board Public Works, A. C. Frisk, Ch. Clk., has awarded contract for improvement cement and brick sidewalks as may be ordered by City Council (bids opened March 14) to FRANK W. HUNT, Des Moines.

PARSONS, KAN.—L. V. Darrow, Cy. Engr., has been instructed to prepare plans and specifications for paving with brick Corning and Morgan Aves. T. B. J. Wheat is Cy. Clk.

BISMARCK, N. DAK.—Bids are asked by R. H. Thistlethwaite, Cy. Audr., until April 3 for construction of sidewalks during the year 1905.

INDEPENDENCE, MO.—We are informed that no bids were received March 22 for paving East Pacific St. with brick, about 2,000 sq. yds. H. H. Pendleton, Cy. Engr.

ST. JOSEPH, MO.—Bids are asked by Peter A. Jones, County Surveyor, until April 8 for constructing a macadam road, to cost approximately $23,000.

ST. JOSEPH, MO.—This city will advertise for bids in about 60 days on 10,000 sq. yds. of various kinds of paving. Wm. H. Floyd, Cy. Engr.

DAYTON, WASH.—It is stated that bids will be received by County Commissioners until April 3 for constructing road about 2½ miles long.

TACOMA, WASH.—We are informed that the contract for paving in Local Improvement District No. 232 was awarded March 23 to BARBER ASPHALT PAVING CO. for $105,450. Frank L. Davis, Cy. Engr.

SPOKANE, WASH.—Seventh Ave. will be paved with brick and cement sidewalks constructed. Cost, $8,978. J. T. O[illegible] Secy. Bd. Pub. Wks.

SEATTLE, WASH.—Bids were received by C. B. Bagley, Sec. Bd. Pub. Wks., for paving with asphalt, (a) Eighth Ave., and (b) Fourth Ave., as follows: Barber Asphalt Paving Co., (a) $6,484, (b) $9,903; Stirrat & Goetz, (a) $6,522, (b) $9,776.

Bids were also received for construction of sidewalks on Brooklyn Ave. and will be awarded to ISAAC CARLSON, for $6,693.

TACOMA, WASH.—B. W. KIBLEY, of Tacoma, was the lowest bidder, at $18,960, for cement sidewalks for Wright Park district. Frank L. Davis is Cy. Engr.

HILLSBORO, ORE.—Bids are asked by Board of Supervisors until April 6, 2 p. m., for grading Patton Hill. Specifications may be seen at County Clerk's office in Hillsboro.

PALO ALTO, CAL.—Estimates are now being prepared by J. P. Byxbee, Jr., for street improvements, which will amount to about $75,000. The improvements include the macadamizing of five streets and partial paving of four with bitumen.

ST. CATHARINES, ONT.—Bids are asked by City Clerk until April 1 for construction of an asphalt block pavement on 5-in. concrete foundation, on Church St. R. E. Speakman, Cy. Engr.

SALT LAKE CITY, UTAH.—Bids are asked by Board Public Works until April 10 for work of laying all cement sidewalks that may be ordered by City Council from March 1 to Nov. 30. Geo. W. Riter, Cy. Engr.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

LAKEPORT, N. H.—We are informed that the Hipwood Fender Co. has not yet decided to rebuild its factory.

PEABODY, MASS.—The Essex Glue & Gelatine Co. has plans for a degreasing plant to consist of five iron and brick buildings, two buildings to be 60 × 100 ft., one 60 × 80 ft., and another 40 × 100 ft., and a 100-ft. chimney. Alexander B. Clark is Pres.

LYNN, MASS.—It is stated that plans are being prepared for shoe factory for A. E. Little & Co., 70 Blake St. Mr. Howland is Supt.

BROOKLYN, N. Y.—Danmar & Co., Archs., Liberty and Thatford Aves., have plans for a factory for L. Munn and M. Koppelman, Stone and Sutter Aves. Cost, $50,000.

BROOKLYN, N. Y.—J. S. Kennedy, Arch., 44 Court St., has plans for factory for J. W. Lewin, 29 Prospect St. Cost, $30,000.

Plans have been prepared by Thos. Bennett, Arch., Third Ave. and 52d St., for factory for Cooper Diamond Co., Eighth Ave. and 18th St. Cost, $12,000.

CANAJOHARIE, N. Y.—Bids will be received until April 1 for packing house for Beach-Nut Packing Co., Canajoharie. Cost, $40,000. Linn Kinne is Arch., Herkimer, N. Y.

COHOES, N. Y.—Wm. Goddard, Arch., has been engaged to make alterations to Globe Knitting Mill.

TROY, N. Y.—A brick addition will be built to Wm. Connor's paint works.

NEWARK, N. J.—The Hay Foundry & Iron Works, of this city, is about to build a new structural shop 130 ft. × 400 ft., a template shop 50 ft. × 80 ft., power house 50 ft. × 80 ft., trestle, coal pockets, crane runways, etc. Prices are wanted on machinery, cranes, etc.

HOBOKEN, N. J.—Chas. Fall, Arch., 1410 Washington St., has plans for a 2-story brick factory, 50 × 100 ft., on Jackson St., for Oscar Frommel, 832 Bloomfield St.

WEST BROWNSVILLE, PA.—The plant of West Brownsville Ice & Storage Co. was destroyed by fire, at a loss of $25,000. E. Chamberlain is Pres.

JOHNSTOWN, PA.—F. P. Reiche, Arch., has plans for an armored concrete building, 80 × 40 ft., for Spangler brewery. Cost, $8,000.

PHILADELPHIA, PA.—The American Pulley Co., 29th and Bristol Sts., wants bids for an addition to its plant. Brick, one story, 50 × 150 ft.

NEWPORT, PA.—Bids are asked until April 1, 3 p. m., for building an addition to hosiery mill. Plans and specifications at office of H. A. Romberger, 1826 North 22d St., Philadelphia, or Edw. F. Bertolette, Arch., 32 South Broad St., Philadelphia.

PHILADELPHIA, PA.—Amos W. Barnes, Arch., Ninth and Walnut Sts., has invited bids for two-story barrel manufacturing plant at 25th and Lasker Sts., for Young & Russell.

JOHN R. HIGGINS & CO., Heed Bldg., have been awarded contract for an addition to factory at 24th and Hamilton Sts., for Frank H. Fleer & Co. Brick, four stories, 40 × 60 ft.

PHILADELPHIA, PA.—MITCHELL BROS., 2125 Race St., have been awarded the contract alterations and additions to foundry at 23d and Cherry Sts., for S. J. Creswell Iron Works.

PHILADELPHIA, PA.—Samuel E. Carver, 3151 Franklin Ave., will receive bids for two-story factory, at Amber St. and Frankford Ave.

PHILADELPHIA, PA.—Plans have been prepared by Amos W. Barnes, Arch., 907 Walnut St., for four-story addition to factory at 24th and Hamilton Sts., for Frank H. Fleer & Co.

ALLENTOWN, PA.—Jacoby & Weishampee, Archs., Commonwealth Bldg., have plans for three-story silk mill, 120 × 480 ft. for Phoenix Silk Mfg. Co., to be erected at Third and Oak Sts. E. A. Saleliac is Supt.

ALLENTOWN, PA.—D. P. Sanders, Gen. Mgr., Keystone Cement Block Co., of Pottsville, Pa., is having plans made for the erection of plants at Allentown, Morristown, Reading and Pottsville. David H. Ross, of Conshohocken, Pa., is Pres.

ERIE, PA.—J. W. Yard & Son, Archs., Downing Bldg., will receive bids for a steel and brick molding room, 60 × 64 ft., for Urick Foundry Co., 15th and Cherry Sts.

ALLEGHENY, PA.—Chas. Bickel, Arch., 524 Penn Ave., Pittsburg, has plans for factory building for American Stogie Co., Ontario St., Allegheny. Cost, $20,000.

READING, PA.—Contract for bakery for Consumers' Bakery Co. has been awarded to DANIEL HUNTER, 820 North 11th St. Brick, three stories, 45 x 110 ft.

YORK, PA.—A glass factory will be erected on North Hartley St., by Rudy Glass Co. J. Horace Rudy is Pres.

WASHINGTON, D. C.—Plans have been prepared by Harding & Upham, Archs., 1316 G St., N. W., for 3-story factory and stable building for Jules Demonet, at 2021 L St., N. W.

READERS' WANTS

If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

ENGINE.—Liberty Hill, Tenn.—The Lewis Lumber Co. is reported as in the market.

TRAVELING CRANE.—Rome, Ga.—The Davis Fdy. & Machine Co. is in the market for a 10-ton crane.

RELAY RAILS.—Nicholasville, Ky.—S. A. Roy is in the market for two miles of 30, 35 or 40-lb. relay steel rails.

AIR COMPRESSOR.—Carthage, Mo.—The Carthage Superior Limestone Co. is in the market for a small outfit.

DRILLS, MINING MACHINERY, ETC.—Sterrett, Ind. Ter.—The Sterrett Oil, Coal & Gas Co., is in the market for the above.

IRON FURNACE.—Hannibal, Mo.—H. E. Ferree, 313 Hill St., is understood as in the market for a furnace for the Alabama iron district.

HOISTING ENGINE.—Carthage, Mo.—The Carthage Superior Limestone Co. is reported in the market for a 20-HP. Id. belt power friction hoist.

BOILERS.—Spray, N. C.—The Rhode Island Co. is in the market for two high-pressure horizontal, return tubular boilers of 100 and 150 HP. each.

BRICK MACHINERY.—Savannah, Ga.—Moore & Co., of Savannah, and W. V. Taylor, 916 Church St., Lynchburg, Va., are reported in the market.

PORTLAND CEMENT, CEMENT BLOCK MACHINE.—Defiance, Ohio.—The Cheney Lumber Co. writes us that it will possibly soon be in the market for the above.

WELL-DRILLING MACHINERY.—Columbia, S. C.—The Bibbes Machinery Co., 804 West Gervais St., Columbia, and C. V. Hillyer, Cy. Clk., Fernandina, Fla., are in the market.

MACHINE TOOLS.—Rome, Ga.—The Davis Fdy. & Machine Tool Works, of Rome, and W. L. Duck, 214 North Stonewall St., Greenville, Tex., are in the market for various tools.

DREDGING CHAIN.—Kingston, N. Y.—The J. L. Powley Contracting Co., 1 Pouckhockie St., writes us that it is in the market for about 160 ft. of ⅞-in. chain for dredging machine use.

PORTABLE ROCK CRUSHING MACHINE AND ROAD ROLLER (USING CRUDE OIL).—Prescott, Ariz.—Morris Goldwater, Mayor, writes us that the city is in the market for the above.

WOODWORKING MACHINERY.—Wauchula, Fla.—J. C. Williams, of Wauchula, and the Shelby Mfg. Co., Junction City, Ky., are reported in the market for various woodworking machinery.

NUTS AND BOLTS.—Denmark.—Dahl Bros., of Copenhagen, Denmark, are understood as wanting 50 to 100 tons of nuts and bolts a year, and prices are wanted f. o. b., New York or New Orleans.

CONCRETE PILES.—New London, Ct.—B. L. Armstrong, 11 Granite St., New London, and c/o Ridgewood Hotel, Daytona, Fla., writes us that he wants names of manufacturers of concrete piling.

TRENCH MACHINES.—Frankfort, N. Y.—The Acme Road Machinery Co. writes us that it wishes the names of makers of trenching machines suitable for cutting a trench 2 ft. wide and 14 ft. deep.

BUCKET AND HYDRAULIC DREDGE.—Beaumont, Tex.—O. Woodhead, Secy. Beaumont Chamber of Commerce, writes us that it is desired by certain contractors to rent a dredge to work in 6 ft. of water.

ENGINES.—Asheville, N. C.—F. T., P. O. Box 347, Asheville; E. C. Stahn, Chester, S. C.; the Ala. Con. C. & I. Co., 74 Broadway, New York; L. F. Edwards, Athens, Ga., and Box 529, Greensboro, N. C., are in the market.

ARCHITECTS AND BUILDERS.—West Point, Miss.—H. S. Dodenhoff, Secy. Bd. of Trade, writes us that it is desired to get into communication with the above in reference to building an opera house to cost about $75,000.

BOILERS, BLOWERS, STEAM FITTINGS ETC.—Gadsden, Ala.—The Alabama Consolidated Coal & Iron Co. is in the market for the above for its new 200-ton furnace. T. S. Bush, Pres., Birmingham, Ala., and 74 Broadway, New York.

CEMENT PLANT.—Mexico.—R. C. Machesney, Secy.-Treas. Huasteca Dev. Co., Times Bldg., Pittsburg, Pa., writes us that this company proposes to build a cement plant on its property in Mexico, and he wishes to get into communication with manufacturers.

THE MUNICIPAL ENGINEERS OF NEW YORK desire to receive trade catalogues for their library; catalogues referring to mechanical, electrical and civil engineering appliances will be appreciated. They may be addressed to Municipal Engineers of New York, 142 West 49th St., New York City.

GARBAGE CREMATORY.—East St. Louis, Ills.—W. A. Thompson, Asst. Cy. Engr., writes us that he wants to communicate with manufacturers or engineers who have garbage disposal plants in relation to the cost, operating expenses, and if the heat is utilized for steam, what horse-power is developed.

CEMENT, ROOFING, GLASS, STRUCTURAL MATERIAL, ETC.—St. Louis, Mo.—O. J. Barwick, Wainwright Bldg., St. Louis; A. H. Owen, of Ackerman, Miss.; the Culpeper Electric Light & Ice Co., Culpeper, Va.; the Virginia Sanitorium, Ironville, Va., and Thos. H. Ryan & Co., Columbia, S. C., are in the market for various kinds of building material.

CRUSHERS, ROLLERS, SCREENS, ETC.—Philadelphia, Pa.—Edward Cunningham, Supt. Artilithic Co. of Philadelphia, 19th and Cambria Sts., writes us that the Eastern Pennsylvania Stone Co. is incorporating to deal in trap rock, and will be in the market for rock crushers, rollers, screens, conveyors, etc. Address I. G. Ross, 1208 Pennsylvania Bldg., Philadelphia.

ELECTRICAL SUPPLIES.—Louisville, Ky.—The Louisville Elevator Co., of Louisville; the Athens Light & Power Co., Athens, Tenn.; F. M. Lincoln, of Lawrenceburg, Tenn.; Dr. S. S. Stewart, Little Rock, Ark.; the Bickford Shoe Co., Waco, Tex.; the Town Commissioners of Dallas, N. C., and C. R. Carter, of Ozark, Ark., are reported as in the market for various electrical supplies and fixtures.

SMALL SEWAGE PUMP, ETC.—White Plains, N. Y.—We are informed that a small sewage pumping plant will possibly soon be wanted, to contain two units of from 100,000 to 150,000 gallons capacity, each per day, on a lift of 20 to 30 ft. To be operated either by gasoline or electricity. Distance to the pump under 2,000 ft. The contractor is to build house and tank, furnish and install machinery and materials, and make all connections. Location near Philadelphia. Address P. O. Box 42.

WOODEN BRIDGES.—Pittsburg, Pa.—The Harbison-Walker Refractories Co. writes us as follows in regard to the construction of proposed wooden bridges, as they wish to get into communication with builders of the same: It has a stream of about 200 ft. in width to cross in bringing the material from one of its mines to the railroad. The material will be delivered in mine cars in which the weight of the load and car will be about 3½ gross tons per car. The company will probably run them in trips of three, the gage of the track being 3 ft. and the wheel base 2 ft.; length of the car over all being 9 ft. 2 ins.

RICHMOND, VA.—E. A. Saunders, Jr., will establish a large cigar factory here.

MORGANTOWN, W. VA.—CHAMPION & WYANT, of Anderson, Ind., received contract for corrugated iron building for West Virginia Bottle Co. Cost, $50,000.

GREENSBORO, N. C.—The State Normal & Industrial College will erect a laundry. Address the Mayor for information.

COLUMBUS, GA.—A $100,000 knitting mill is to be erected here by home capital. C. L. Perkins will be president.

HOSCHTON, GA.—The tannery and collar factory of Branden & Delaperriere was destroyed by fire. Loss, $125,000.

MOBILE, ALA.—Plans have been prepared by Geo. D. Hulburt, 5 Bank of Mobile Bldg., for three buildings for Mexican & Gulf Mahogany Co., care architect. Cost, $40,000.

WARSAW, KY.—The McDanell Furniture Mfg. Co. will erect $25,000 furniture factory to replace plant recently destroyed by fire.

SOMERSET, KY.—L. F. Bryant & Co. will erect an ice and cold storage plant.

LOUISVILLE, KY.—The Standard Sanitary Mfg. Co. awarded the general contract to MILWAUKEE (Wis.) BRIDGE & IRON CO. for an iron foundry and warehouse to be erected on Jarvis Ave. Cost, $50,000.

LOUISVILLE, KY.—The Crescent Mfg. Co., of Greenfield, O., will erect a $25,000 plant here for the manufacture of wood and iron novelties.

HAMILTON, O.—Geo. Rupp will erect an addition to his packing plant.

ALLIANCE, O.—Plans are being prepared by Fred. Rautert, Arch., Chicago, Ill., for brewery, to be erected at Alliance, for Alliance Brewing Co. Cost, $125,000.

TOLEDO, O.—Louis Lane, Arch., Nasby Bldg., has plans for 1-story factory building, 70 × 130 ft., for American Arch & Culvert Co., Nasby Bldg. Cost, $20,000.

HAMILTON, O.—The Carr Milling Co. will rebuild 4-story flour mill at Fourth and High Sts.

The Beckett Paper Co. will rebuild mill at Lowell and Buckeye Sts., doubling capacity.

The American Foundry & Machine Co. will build an addition to its plant at Lindenwald. Geo. Barkman, Second Nat'l Bank Bldg., is Arch.

INDIANAPOLIS, IND.—The National Concrete Co. has incorporated with capital stock of $100,000. The company will receive bids for concrete machines of several kinds. E. H. Lee is Pres.

JASPER, IND.—The Consumers Ice & Cold Storage Co. has incorporated to build a cold storage and ice plant in this city. Bids will follow completion of plans.

LEBANON, IND.—An electrical and cold storage plant will be erected here this spring. Bids will be received by Cropsey & Lamm, Archs., Groton Bldg., Cincinnati, O.

JUDYVILLE, IND.—A new corn shredder factory will be erected here this season. Address Town Board.

DETROIT, MICH.—The St. Clair Mfg. Co., care Edson, Moore & Co., 194 Jefferson Ave., let general contract to NELSON LEMAY & CO., 416 Mullett St., for a 4-story factory building, 50 × 130 ft. Cost $23,000.

DETROIT, MICH.—The Detroit Cabinet Co., John Roetz, Mgr., 988 Riopelle St., has had plans prepared for three-story, 110 × 134 ft. Cost, $15,000.

CHICAGO, ILL.—Plans are being prepared for a factory to be erected for Wilder & Co., 212 Lake St. Brick, eight stories, 75 × 126 ft. Cost, $125,000.

Jenny & Mundie, Archs., 171 LaSalle St., have prepared plans for a brick factory, to be erected here. Cost, $50,000.

Plans have been prepared by Jas. A. Miller, Arch., 59 Clark St., for laundry building for J. J. Madden, to cost about $8,000.

Frank L. Fry, Arch., 146 LaSalle St., has completed plans for factory for Home Stove Works.

BELLEVILLE, ILL.—The Belleville Commercial Club has closed a contract for location of Steutermann National Invention & Mfg. Co.'s plant here. Several buildings will be erected covering ten acres of ground. R. W. Ropiequet, Secy. of club, can inform.

KANKAKEE, ILL.—Chas. D. Henry, Arch., 26 Arcade Bldg., has plans for 2-story factory building, 20 × 75 ft., with 2-story wing, 24 × 41 ft., for F. C. Ehrich, 191 Court St. Cost, $10,000.

MILWAUKEE, WIS.—The Enterprise Box & Lumber Co., Canal St. and Muskego Ave., will soon begin work on its new $80,000 factory. Mill construction, three stories, 353 × 150 ft.

CEDAR FALLS, IA.—T. M. Sinclair & Co. will operate its packing plant at Cedar Rapids, Ia., by electric power, the entire equipment for which has been ordered from the Allis-Chalmers Co., and is to be furnished by its Electrical Department, The Bullock Electric Mfg. Co.

TIPTON, IA.—Bids will be received about April 15 by Tipton Canning Co., for three-story canning factory, 80 × 142 ft. M. S. Sutton, of Vinton, Ia., is Arch.

CONCORDIA, KAN.—The Concordia Ice & Cold Storage Co. will increase their plant at a cost from $10,000 to $15,000. R. C. SCOTT has the contract.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

FIRE ALARM SYSTEM.—Red Bluff, Cal.—Bids are asked by F. W. Decker, Town Clk., until April 3 for fire alarm system.

DAM.—Waco, Tex.—Contract for constructing 7 ft. dam across Brazos River for this city is stated to have been let to C. G. PATTON, Houston, Tex.

DRAIN.—Big Rapids, Mich.—We are informed that it is expected that L. W. June, County Surveyor, will make surveys for the Edgar Drain. J. F. Clark, is Drain Comr., and will let the work.

FIRE APPARATUS.—Ann Arbor, Mich.—Bids are asked until April 6 for combination, two-horse chemical wagon and aerial hook and ladder truck, 65-ft. extension aerial ladder. Ross Granger, Cy. Clk.

QUARRYING, ETC.—Washington, D. C.—Bids are asked by District Commissioners until April 15, for quarrying and crushing stone at the District Quarry, Dickerson, Md. (Advertised, Engineering News.)

BREAKWATER.—Ocean Park, Cal.—Abbott Kinney Co. is stated to have awarded contract for constructing breakwater here to CALIFORNIA CONSTRUCTION CO., 222 N. Main St., Los Angeles Co., for about $100,000.

FILLING AND GRADING.—New Orleans, La.—No bids were received March 25 by Bureau Yards and Docks, Washington, D. C., for filling and grading at naval station, New Orleans. An appropriation of $25,000 is available for the work.

DITCH WORK.—Monticello, Ill.—Drainage Commissioners of Lake Fort Special Drainage District will receive bids for dredging Lake Fork main ditch, also for Sub Number 27 of same district on April 29; about 300,000 cu. yds. are to be excavated. W. J. Day, Engr.

WIRELESS TELEGRAPH.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, Navy Department, until April 4, for delivering and installing wireless telegraph outfits on board U. S. S. "Pennsylvania" and "Maryland." H. T. B. Harris, Paym.-Gen., U. S. N.

LEVEE.—England, Ark.—Plum Bayou Levee Board, R. B. Eggleston, Ch. Engr., has awarded contract for constructing 1,403,000 cu. yds. levee (bids received March 20) to C. D. SMITH & CO., Memphis, Tenn., for $171,867. Contract was sublet to ROACH & STANSELL, Memphis.

LEVEE.—Pointe a la Hache, La.—Bids are asked by Commissioners Plaquemine Parish, East Bank Levee District, Aaron Davis, Pres., P. O. Box 326, New Orleans, La., until April 18, for constructing several miles of Gulf Coast levee, containing about 1,000,000 cu. yds. earthwork.

RIPRAP EMBANKMENT.—Boston, Mass.—Following are three lowest bids received March 27 by Major John E. Baxter, Q. M., U. S. A., for construction of riprap embankment at Fort Strong: Ruggles & Perkins, 17 Milk St., Boston, Mass., $6,436; Smith & Robinson, State St., New York, $6,440; W. H. Ellis, 17 Milk St., Boston, Mass., $6,541.

PUMPS, FILES, VISES, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, Navy Department, until April 11, for furnishing quantity of naval supplies, among which are granite, corrugated sheet metal, pipe and fittings, files, vises, motors, steam pumps, drawing instruments, etc. H. T. B. Harris, Paym. Gen., U. S. N.

DITCH WORK.—Fort Dodge, Ia.—Contract for constructing two ditches, requiring about 200,000 cu. yds. excavation has been let to KEPNER & SMITH, Fort Dodge, Ia. Bids for the work were received March 22 by H. S. Holm, County Audr., who, we are also informed, will soon advertise for the tile work on the ditches, not included in previous letting.

RAILS, WIRE, LATHE, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, Navy Department, until April 25, for furnishing quantity of naval supplies, among which are conduit, wire, transformers, railroad ties, gap lathe, milling machine, switches, frogs, valves, cement, fire brick, etc. H. T. B. Harris, Paym.-Gen., U. S. N.

DREDGE.—Beaumont, Tex.—D. Woodhead, Secy. Beaumont Chamber of Commerce, writes us that parties in Beaumont desiring to bid on dredge work would like to know whether a good bucket dredge and good hydraulic dredge to work in 6 ft. of water could be rented for use in waters adjacent to that point.

DRAINAGE DITCH.—Geneseo, Ill.—We are informed that preliminary work has been completed for a drainage ditch to extend across part of Bureau and Henry Counties, and bids are to be asked shortly by the Green River Special Drainage District, Frank S. Haynes, Secy., Geneseo. Specifications for the above work may be seen at office of Engineering News, 220 Broadway, New York.

CRANE WHARF.—New Orleans, La.—Following bids were received March 25 by Bureau Yards and Docks, Washington, D. C., for crane wharf at naval station, New Orleans: American Bridge Co., Chicago, Ill., $50,400; Penn Bridge Co., 312 Bond Bldg., Washington, D. C., $44,390; Milwaukee Bridge Co., 1400 34th St., Milwaukee, Wis., $43,400; The Snare & Triest Co., 39 Cortlandt St., New York, N. Y., $50,900.

JETTY.—Portland, Ore.—Major W. C. Langfitt, U. S. Eng'rs., is reported to have awarded contracts, as follows, for supplying material for construction of the jetty at mouth of Columbia River: W. D. HOFFIUS & CO., Seattle, Wash., 150 tons steel rails, $5,638.50; GORMAN & BREWSTER, Portland, 120,900 ft. piles, $12,694; CITY LUMBER & BOX CO., Astoria, Ore., 688,325 ft. lumber, $7,227; W. H. COLE, Portland, 10,000 tons rock, $1.07 a ton.

ELECTRIC TRAVELING CRANE.—Portsmouth, N. H.—Following bids were received March 25 by Bureau Yards and Docks, Washington, D. C., for 20-ton four motor electric traveling crane for navy yard, Portsmouth: Morgan Engineering Co., Alliance, O., $5,325; Wellman Seaver Morgan Co., 1298 Central Ave., Cleveland, O., $6,840; North Penn Iron Co., 3d and Venango Sts., Philadelphia, Pa., $4,120; Northern Engineering Works, 2 Chene St., Detroit, Mich., $5,925, $5,100; Manning, Maxwell & Moore, 85 Liberty St., New York, $5,212; Pawling & Harnischfeger, 38th and National Ave., Milwaukee, Wis., $4,670; Cleveland Crane & Car Co., Wickliffe, O., $6,100, $4,950; Whiting Foundry Equipment Co., 156th St. and Lathrop Ave., Harvey, Ill., $4,890; The Case Mfg. Co., Columbus, O., $4,450; Niles Bement Pond Co., 136 Liberty St., New York, $6,060, $5,000.

COAL POCKET, MACHINERY, ETC.—Atlantic City, N. J.—Following bids were received March 28 by Water Commissioner Kenneth Allen, Engr. and Supt. W. Dept., for constructing coal pocket, machinery, etc., (1) being coal pocket, (2) alternate design for (1), (3) coal elevating machinery, (4) tool house and machine shop, (5) coal pocket and machine shop, (6) coal pocket and machinery, (7) coal pocket machinery, tool house and machine shop: Bell Engineering & Construction Co., New York, (1) $5,698; Philip G. Hannum, Atlantic City, N. J., (1) $4,900, (4) $2,489, (5) $7,389; W. W. Lindsay & Co., Philadelphia, Pa., (1) $3,795, (3) $2,650, (4) $2,450, (7) $8,880; Commonwealth Roofing Co., Jersey City, N. J., (1) $7,880, (3) $2,530, (4) $2,700, (7) $13,110; Drehmann Paving Co., Philadelphia, Pa., (2) $4,950; Henderson & Co., Ltd., Philadelphia, Pa., (2) $9,506; (7) $10,5[illegible] Engineering Co., Philadelphia, Pa., (3) $2,4[illegible] Co., New York, (6) $8,124, (7) $11,8[illegible] Philadelphia, Pa., (7) a $11,157, b $10,5[illegible] Atlantic City, N. J., (7) a $12,357, b $11[illegible]

COAL AND ASH HANDLING MACHIN[illegible]ton, D. C.—D. E. McComb, Supt. Sewer[illegible] following bids were received March 27 [illegible] and ash handling machinery for sewage [illegible] Webster Mfg. Co., 18 Dey St., New [illegible] Horshor, Platt & Co., 120 Liberty St., Ne[illegible] The Scofield Co., 904-6 Penn. Bldg., P[illegible] $39,800; The Link Belt Co., Nicetown, P[illegible] $23,730, $22,685, $22,180, $18,900; John [illegible] 11 Broadway, New York, $17,123, $[illegible] $18,373, $23,607, $24,307, $21,171, $[illegible] $25,752.

INDUSTRIAL NOTES.

THE ARNOLD CO. is the new name of the [illegible]nold Electric Power Station Co., Marquette Building, [illegible]ago. The company undertakes the design and construc[illegible] of power plants, shops and shop equipment, electric [illegible]ays, and industrial plants. Mr. B. J. Arnold is [illegible]dent; Mr. Geo. A. Damon, Managing Engineer, and Mr. [illegible] H. Rosecrans, Chief Civil Engineer.

MR. S. S. EVELAND, Vice-Pres. and Gen. Mgr. Standard Roller-Bearing Co., Philadelphia, has just purchased for that company the machinery, assets, etc., of the steel ball business of the Federal Mfg. Co., Cleveland. The deal involved the transfer of merchandise, tools, machines, etc., valued at $250,000. The Federal Mfg. Co. has manufactured steel balls for 20 years. The Standard Co. about a year ago bought and transferred to Philadelphia the ball business and machinery of the Grant Ball Co. of Cleveland, O., and Franklin, Pa., since which time they have turned out about 1,000,000 balls a week. The Federal company's plant will also be moved to Philadelphia, which will give the Standard company a capacity of over 500 million balls per year. The assets of the Federal company secured by the latter company consists of about 300 machine tools of various descriptions, 5,000 small tools and over 100,000,000 steel, brass and bronze balls of all sizes, such as are used in bicycles, ball-bearings, etc.

The Standard company during the past year has built and equipped an addition to its factory in Philadelphia at a cost of over $300,000. The main factory consists of a building 500 ft. × 150 ft., and another of three stories, 70 ft. × 200 ft. There is also a foundry, forging and blacksmith shop, hardening room, etc., giving a total floor space of over 100,000 sq. ft. An additional piece of ground has recently been purchased measuring 300 ft. × 200 ft. adjoining the factory, upon which another addition will at once be erected to accommodate the machinery purchased from the Federal company. The ball making is directly under the charge of R. H. Grant, Supt. Standard Roller Bearing Co., formerly Mgr. of Grant Ball Co. with whom he had 18 years' experience in the manufacturing of steel balls. T. J. Heller, who represented the Federal Mfg. Co. for a number of years in New York, having entire charge of the eastern business, will continue as manager of the ball sales department. F. M. Germane, who for years had charge of the western territory for the Federal Mfg. Co., will be western sales manager for the Standard company, with headquarters in Chicago, where he will carry a full line of steel balls, roller and ball bearings, etc. At present he will run the Federal ball plant for the Standard Roller Bearing Co. until it is moved to Philadelphia in June.

CONSTRUCTION OF TUNNELS IN MANHATTAN.

PENNSYLVANIA, NEW YORK & LONG ISLAND RAILROAD, EAST RIVER DIVISION.

New York, N. Y., March 29th, 1905.

Sealed proposals for the works necessary to the construction of tunnels from points near First Avenue westward under private property and First Avenue, 32d and 33d Streets to points between Sixth and Seventh Avenues in those streets will be received at the office of the Secretary of the Company at 85 Cedar Street, New York City, until 12 o'clock noon of the 18th day of April, 1905.

A copy of each of the following documents,

Instructions to Bidders,
Proposals,
Specifications,
Contract,
Contract Drawings,

will be furnished to intending bidders o written request accompanied by a certified check for $25, payable to the order of the Pennsylvania, New York & Long Island Railroad Company, to be retained by the Company.

The documents above referred to will be furnished by the Chief Engineer at 1 West 34th Street, New York City, N. Y. Supplementary Drawings exhibiting geological formation so far as has been determined by borings, which may afford data to the Contractor, can also be seen at this office.

The Contractor's bond will be 10 per cent. of the amount of his bid. The right is reserved to reject any and all bids.

ROBERT H. GROFF,
13-3t Secretary.

EXECUTIVE OFFICE, Commissioners of the District of Columbia, Washington, March 28, 1905.—Sealed proposals will be received at this office until 12 M., April 8, 1905, for one-year and three-year contracts for lighting the public streets, avenues, alleys and roads in the District of Columbia with incandescent mantle gas lamps. Specifications and blank forms of proposal may be obtained at this office. HENRY B. F. MACFARLAND, HENRY L. WEST, JOHN BIDDLE, Commissioners, D. C. 13-2t

BRICK PAVEMENT.

Amsterdam, N. Y.

Sealed proposals will be received at Amsterdam, N. Y. until 8 P. M., April 4, 1905, for paving Market Street and Bridge Street with fire clay paving blocks on a concrete foundation, a total of about 6,600 square yards. $1,000 bond required with bid for each street.

F. E. CRANE,
13-1t City Engineer.

WATER-WORKS AND ELECTRICAL LIGHTING PLANT.

Graham, N. C.

Sealed proposals will be received at the office of Henry A. Pressey, Civil and Hydraulic Engineer, 1416 F Street, Washington, D. C., until 12 o'clock M., April 12th, 1905, for the construction of water-works and electrical lighting plant at Graham, N. C.

Bids will be received for the following items: 90-HP. vertical compound engine, two 125-HP. tubular boilers, feed water heater and pump, duplex steam pump, cast-iron pipe and special castings, 75,000-gal. water tower, valves, hydrants; 65-KW., A. C. generator, pole lines, secondary house wiring, etc.; power plant building.

Information and copy of specifications will be furnished on application. Plans may be seen at the above office, or at the Mayor's office at Graham, N. C. Usual rights reserved.

SOUTHERN PUBLIC SERVICE CORPORATION, Washington, D. C. 13-2t

Plans and specifications may be seen at the office of Engineering News, 220 Broadway, New York.

WEST POINT, N. Y., March 21st, 1905.—Sealed proposals, in triplicate, will be received here until 12 o'clock, noon, April 20th, 1905, for the construction of two double and four triple sets of Officers' Quarters, and for the erection of Cadet Barracks, as per drawings and specifications on file in this office. The U. S. reserves the right to accept or reject any or all proposals or any part thereof. Forms and specifications furnished upon application. Address QUARTERMASTER, U. S. M. A. 12-4t

DELAWARE CITY, DEL., March 10, 1905.—Sealed proposals, in triplicate, will be received her until 11 a. m., April 10, 1905, for granolithic sidewalks at Fort Mott, N. J. Information furnished on application. U. S. reserves right to accept or reject any or all bids or any part thereof. Envelopes containing bids should be endorsed "Proposals for Granolithic Sidewalks," addressed CAPT. LOUIS F. GARRARD, JR., Q. M. 11-3t

OFFICE CONSTRUCTING QUARTERMASTER, Room 410, 170 Summer Street, Boston, Mass., March 8, 1905.—Sealed proposals, in triplicate, will be received until 11 o'clock A. M., April 6th, 1905, and then opened in the presence of bidders, for furnishing all material, labor and appliances required for construction of a Submarine Pipe Line from Nut Island to Peddocks Island, Mass.; for a six-inch Water Main on Peddocks Island, and a Post Water Works System at Fort Andrews, Boston Harbor, Mass. Plans, specifications, blank forms and all information will be furnished intending bidders upon application to the undersigned. As a guaranty that plans, etc., removed from office will be returned promptly in good condition, a deposit of five dollars will be required. JOHN E BAXTER, Major and Quartermaster, U. S. Army. 10-4t

MANUFACTURE OF STEEL AND IRON IN THE STATE OF NEW SOUTH WALES, AUSTRALIA.—DEPARTMENT OF PUBLIC WORKS, Sydney, New South Wales, February 16, 1905.—Tenders for the manufacture, supply and delivery in New South Wales of all steel and iron required by the Government for a period of seven years, will be received in this office by the undersigned up to 2 p. m. on Friday, the 1st of September, 1905.

Description and conditions of contract, specification, tender form and statistical information for the guidance of intending tenderers may be obtained at the office of Messrs. R. W. Cameron and Company, New York, United States of America. CHARLES A. LEE, Minister for Public Works. 13-7teow

Specifications may be seen at the office of Engineering News, 220 Broadway, New York.

PROPOSALS FOR WHITE BRICKS.—Office of Building for National Museum, Library of Congress, Washington, D. C., March 22, 1905.—Sealed proposals will be received at this office until two o'clock P. M. on Tuesday, April 11, 1905, for furnishing and delivering at the new building for the National Museum, in this city, White Bricks for the construction of the court yard walls. Specifications, general instructions and conditions, and blank forms of proposal may be obtained on application at this office. BERNARD R. GREEN, Superintendent of Construction. 12-2t

U. S. ENGINEER OFFICE, Washington Barracks, D. C., March 30, 1905.—Sealed proposals will be received here until noon, April 29, 1905, for heating apparatus for Army War College. Information on application. JOHN STEPHEN SEWELL, Capt., Engrs. 13-4t

EXECUTIVE OFFICE, Commissioners of the District of Columbia, Washington, March 28, 1905.—Sealed proposals will be received at this office until 12 M., April 8, 1905, for lighting the public streets, avenues, alleys and roads in the District of Columbia under one-year or three-year contracts, using incandescent mantle naphtha lamps. Specifications and blank forms of proposal may be obtained at this office. HENRY B. F. MACFARLAND, HENRY L. WEST, JOHN BIDDLE, Commissioners, D. C. 13-2t

OFFICE OF THE COMMISSIONERS, D. C. Washington, March 18, 1905.—Sealed proposals will be received at this office until 12 o'clock, noon, Saturday, April 15, 1905, for quarrying and crushing stone at the District Quarry, Dickerson, Md. Blank forms of proposal, specifications, and all necessary information may be obtained at the office of the Engineer Commissioner, D. C. HENRY B. F. MACFARLAND, HENRY L. WEST, JOHN BIDDLE, Commissioners, D. C. 13-1t

OFFICE CONSTRUCTING QUARTERMASTER, Custom House, Chattanooga, Tenn., March 25, 1905.—Sealed proposals in triplicate will be received here until 11 a. m., April 8, 1905, and then opened for constructing plumbing, heating and gas piping one double set civilian employees quarters, for plumbing and gas piping one fire apparatus station, at Fort Oglethorpe, Ga. (Chickamauga Park). Full information furnished on application. United States reserves the right to accept or reject any or all bids or any part thereof. Envelopes containing proposals should be marked "Proposals for Buildings." Address C. NIXON, Capt. and Q. M., U. S. A. 13-2t

U. S. ENGINEER OFFICE, Pittsburg, Pa., March 17, 1905.—Sealed proposals for building 100 feet of Chanoine dam, 2 bear-trap dam foundations, each 93 feet long, a Chanoine weir 160 feet long, 3 piers and abutment, Dam No. 3, Ohio River, at Glenosborne, Pa., about 11 miles below Pittsburg, Pa., will be received here until 12 M., April 17, 1905, then publicly opened. Information furnished on application. WM. L. SIBERT, Maj., Engrs. 12-4t

SITUATIONS OPEN

WANTED.—A bright young man of some experience in handling men to take charge of gang on sewer work; must be familiar with transit and level. Address, giving full particulars, references, salary expected, etc., "SUPERINTENDENT," Atlantic City Sewerage Company, Bartlett Building, Atlantic City, New Jersey. 13-1t

For other Proposal Advertisements see pages 35, 36, 37, 38, of Advertisements and Construction News page 122.